

Entrez Gene ID	GenBank ID	Symbol	Gene Name
156	NM_001619	ADRBK1	adrenergic, beta, receptor kinase 1
157	NM_005160	ADRBK2	adrenergic, beta, receptor kinase 2
207	NM_005163	AKT1	RAC-ALPHA SERINE/THREONINE KINASE (EC 2.7.1.-) (RAC-PK-ALPHA) (PROTEIN KINASE B) (PKB) (C-AKT)
208	NM_001626	AKT2	RAC-BETA SERINE/THREONINE PROTEIN KINASE (EC 2.7.1.-) (RAC-PK-BETA) (PROTEIN KINASE AKT-2) (PROTEIN KINASE B, BETA) (PKB BETA)
10000	NM_005465	AKT3	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)
8476	NM_003607	CDC42BPA	CDC42 binding protein kinase alpha (DMPK-like)
9578	NM_006035	CDC42BPB	CDC42 binding protein kinase beta (DMPK-like)
11113	NM_007174	CIT	citron (rho-interacting, serine/threonine kinase 21)
1760	NM_004409	DMPK	dystrophia myotonica-protein kinase
9113	NM_004690	LATS1	LATS HOMOLOG 1; large tumor suppressor, homolog 1
26524	NM_014572	LATS2	LATS, LARGE TUMOR SUPPRESSOR, HOMOLOG 2; LATS (LARGE TUMOR SUPPRESSOR, DROSOPHILA) HOMOLOG 2
5163	NM_002610	PDK1	pyruvate dehydrogenase kinase, isoenzyme 1
10611	NM_006457	PDLIM5	PDZ and LIM domain 5
5170	NM_002613	PDPK1	3-phosphoinositide dependent protein kinase-1
5585	NM_002741	PKN1	protein kinase N1
5586	NM_006256	PKN2	protein kinase N2
29941	NM_013355	PKN3	protein kinase N3
5564	NM_006253	PRKAB1	protein kinase, AMP-activated, beta 1 non-catalytic subunit
5565	NM_005399	PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit
5566	NM_002730	PRKACA	protein kinase, cAMP-dependent, catalytic, alpha
5567	NM_182948	PRKACB	protein kinase, cAMP-dependent, catalytic, beta
5568	NM_002732	PRKACG	protein kinase, cAMP-dependent, catalytic, gamma
5571	NM_002733	PRKAG1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit
51422	NM_016203	PRKAG2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit
53632	NM_017431	PRKAG3	protein kinase, AMP-activated, gamma 3 non-catalytic subunit
5573	NM_002734	PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)
5578	NM_002737	PRKCA	protein kinase C, alpha
5579	NM_002738	PRKCB1	protein kinase C, beta 1
5580	NM_006254	PRKCD	protein kinase C, delta
5581	NM_005400	PRKCE	protein kinase C, epsilon
5582	NM_002739	PRKCG	protein kinase C, gamma
5583	NM_006255	PRKCH	protein kinase C, eta
5584	NM_002740	PRKCI	protein kinase C, iota
5588	NM_006257	PRKCQ	protein kinase C, theta
5590	NM_002744	PRK CZ	PROTEIN KINASE C, ZETA TYPE (EC 2.7.1.-) (NPKC-ZETA)
23683	NM_005813	PRKD3	protein kinase D3
5592	NM_006258	PRKG1	protein kinase, cGMP-dependent, type I
5593	NM_006259	PRKG2	protein kinase, cGMP-dependent, type II
5613	NM_005044	PRKX	protein kinase, X-linked
5616	NM_002760	PRKY	protein kinase, Y-linked
6093	NM_005406	ROCK1	Rho-associated, coiled-coil containing protein kinase 1
9475	NM_004850	ROCK2	Rho-associated, coiled-coil containing protein kinase 2
6195	NM_002953	RPS6KA1	ribosomal protein S6 kinase, 90kDa, polypeptide 1
6196	NM_021135	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2
6197	NM_004586	RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3
8986	NM_003942	RPS6KA4	ribosomal protein S6 kinase, 90kDa, polypeptide 4
9252	NM_004755	RPS6KA5	ribosomal protein S6 kinase, 90kDa, polypeptide 5
27330	NM_014496	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6
6198	NM_003161	RPS6KB1	ribosomal protein S6 kinase, 70kDa, polypeptide 1
6199	NM_003952	RPS6KB2	ribosomal protein S6 kinase, 70kDa, polypeptide 2
26750	NM_012424	RPS6KC1	ribosomal protein S6 kinase, 52kDa, polypeptide 1
83694	NM_031464	RPS6KL1	ribosomal protein S6 kinase-like 1
6446	NM_005627	SGK	serum/glucocorticoid regulated kinase
10110	NM_016276	SGK2	serum/glucocorticoid regulated kinase 2
23678	NM_013257	SGKL	serum/glucocorticoid regulated kinase-like
11329	NM_007271	STK38	serine/threonine kinase 38
23012	NM_015000	STK38L	serine/threonine kinase 38 like
57143	NM_020421	ADCK1	aarF domain containing kinase 1
90956	NM_052853	ADCK2	aarF domain containing kinase 2
79934	NM_024876	ADCK4	aarF domain containing kinase 4
203054	NM_174922	ADCK5	aarF domain containing kinase 5
472	NM_000051	ATM	SERINE-PROTEIN KINASE ATM (EC 2.7.1.37) (ATAXIA TELANGIECTASIA MUTATED) (A-T, MUTATED)
545	NM_001184	ATR	ATAXIA TELANGIECTASIA AND RAD3 RELATED PROTEIN; RAD3 RELATED PROTEIN; FRAP-RELATED PROTEIN-1; PROTEIN KINASE ATR
10295	NM_005881	BCKDK	branched chain alpha-ketoacid dehydrogenase kinase

613	NM_004327	BCR	BREAKPOINT CLUSTER REGION PROTEIN (EC 2.7.1.-)
29904	NM_013302	EEF2K	elongation factor-2 kinase
10922	NM_006712	FASTK	FAST kinase
5164	NM_002611	PDK2	pyruvate dehydrogenase kinase, isoenzyme 2
5165	NM_005391	PDK3	pyruvate dehydrogenase kinase, isoenzyme 3
5166	NM_002612	PDK4	pyruvate dehydrogenase kinase, isoenzyme 4
5587	NM_002742	PRKD1	protein kinase D1
5591	NM_006904	PRKDC	protein kinase, DNA-activated, catalytic polypeptide
5756	NM_002822	PTK9	PTK9 protein tyrosine kinase 9
11344	NM_007284	PTK9L	PTK9L protein tyrosine kinase 9-like (A6-related protein)
83732	NM_031480	RIOK1	RIO kinase 1 (yeast)
55781	NM_018343	RIOK2	RIO kinase 2 (yeast)
8780	NM_003831	RIOK3	RIO kinase 3 (yeast)
23049	NM_014006	SMG1	PI-3-kinase-related kinase SMG-1
8859	NM_004197	STK19	serine/threonine kinase 19
10290	NM_005876	APEG1	aortic preferentially expressed protein 1 (Expression of this gene is thought to serve as a marker for differentiated vascular smooth muscle cells)
9891	NM_014840	ARK5	AMP-activated protein kinase family member 5
84446	NM_032430	BRSK1	BR serine/threonine kinase 1
8536	NM_003656	CAMK1	calcium/calmodulin-dependent protein kinase I
57118	NM_020397	CAMK1D	calcium/calmodulin-dependent protein kinase ID
57172	NM_020439	CAMK1G	calcium/calmodulin-dependent protein kinase IG
815	NM_015981	CAMK2A	calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha
816	NM_001220	CAMK2B	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta
817	NM_001221	CAMK2D	calcium/calmodulin-dependent protein kinase (CaM kinase) II delta
818	NM_001222	CAMK2G	calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma
814	NM_001744	CAMK4	calcium/calmodulin-dependent protein kinase IV
55450	NM_018584	CaMKIINalpha	calcium/calmodulin-dependent protein kinase II
8573	NM_003688	CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)
1111	NM_001274	CHEK1	SERINE/THREONINE-PROTEIN KINASE CHK1 (EC 2.7.1.-)
11200	NM_007194	CHEK2	CHK2 checkpoint homolog (The protein encoded by this gene is a cell cycle checkpoint regulator and putative tumor suppressor.)
10518	NM_006383	CIB2	calcium and integrin binding family member 2
117286	NM_054113	CIB3	calcium and integrin binding family member 3
1612	NM_004938	DAPK1	death-associated protein kinase 1
23604	NM_014326	DAPK2	death-associated protein kinase 2
1613	NM_001348	DAPK3	death-associated protein kinase 3
9201	NM_004734	DCAMKL1	doublecortin and CaM kinase-like 1
166614	NM_152619	DCAMKL2	doublecortin and CaM kinase-like 2
30811	NM_014586	HUNK	hormonally upregulated Neu-associated kinase
390777	XM_372663	LOC390777	similar to Ribosomal protein S6 kinase I (S6K) (P70-S6K)
391295	XM_497791	LOC391295	similar to spermiogenesis associated serine/threonine kinase 22D; serine/threonine kinase FKSG81; spermiogenesis associated 4
391533	XM_497921	LOC391533	similar to Vascular endothelial growth factor receptor 1 precursor (VEGFR-1) (Vascular permeability factor receptor) (Tyrosine-protein kinase receptor FLT) (Flt-1) (Tyrosine-protein kinase FRT) (Fms-like tyrosine kinase 1)
400301	XM_375150	LOC400301	similar to protein kinase CHK2 isoform b; checkpoint-like protein CHK2; serine/threonine-protein kinase CHK2; CHK2 (checkpoint, S.pombe) homolog
91807	NM_182493	LOC91807	myosin light chain kinase (MLCK)
120892	<u>NM_198578</u>	LRRK2	leucine-rich repeat kinase 2
23139	NM_015112	MAST2	microtubule associated serine/threonine kinase 2
23031	XM_038150	MAST3	microtubule associated serine/threonine kinase 3
23227	XM_291141	MAST4	microtubule associated serine/threonine kinase 4
84930	NM_032844	MASTL	microtubule associated serine/threonine kinase-like
9833	NM_014791	MELK	maternal embryonic leucine zipper kinase
83931	NM_032017	MGC4796	Ser/Thr-like kinase
50488	NM_015716	MINK1	misshapen-like kinase 1 (zebrafish)
8569	NM_003684	MKNK1	MAP kinase-interacting serine/threonine kinase 1
2872	NM_017572	MKNK2	MAP kinase-interacting serine/threonine kinase 2
4638	NM_005965	MYLK	myosin, light polypeptide kinase
85366	NM_033118	MYLK2	myosin light chain kinase 2, skeletal muscle
23178	NM_015148	PASK	PAS domain containing serine/threonine kinase
55872	NM_018492	PBK	PDZ binding kinase
5127	NM_006201	PCTK1	PCTAIRE protein kinase 1
5255	NM_002637	PHKA1	phosphorylase kinase, alpha 1 (muscle)
5256	NM_000292	PHKA2	phosphorylase kinase, alpha 2 (liver)
5257	NM_000293	PHKB	phosphorylase kinase, beta

5260	NM_006213	PHKG1	phosphorylase kinase, gamma 1 (muscle)
5261	NM_000294	PHKG2	phosphorylase kinase, gamma 2 (testis)
5292	NM_002648	PIM1	PROTO-ONCOGENE SERINE/THREONINE-PROTEIN KINASE PIM-1 (EC 2.7.1.37)
11040	NM_006875	PIM2	SERINE/THREONINE-PROTEIN KINASE PIM-2 (EC 2.7.1.37) (PIM-2H)
139728	NM_198452	PNCK	nancy upregulated non-ubiquitously expressed CaM kinase
5562	NM_006251	PRKAA1	protein kinase, AMP-activated, alpha 1 catalytic subunit
5563	NM_006252	PRKAA2	protein kinase, AMP-activated, alpha 2 catalytic subunit
5575	NM_002735	PRKAR1B	protein kinase, cAMP-dependent, regulatory, type I, beta
25865	NM_016457	PRKD2	protein kinase D2
5681	NM_006742	PSKH1	protein serine kinase H1
85481	NM_033126	PSKH2	serine/threonine kinase PSKH2
81788	NM_030952	SNARK	likely ortholog of rat SNF1/AMP-activated protein kinase
150094	NM_173354	SNF1LK	SNF1-like kinase
23235	NM_015191	SNF1LK2	SNF1-like kinase 2
54861	NM_017719	SNRK	SNF-1 related kinase
83983	NM_032037	SSTK	serine/threonine protein kinase SSTK
6794	NM_000455	STK11	serine/threonine kinase 11 (Peutz-Jeghers syndrome)
9263	NM_004760	STK17A	serine/threonine kinase 17a (apoptosis-inducing)
9262	NM_004226	STK17B	serine/threonine kinase 17b (apoptosis-inducing)
23617	NM_053006	STK22B	serine/threonine kinase 22B (spermiogenesis associated)
81629	NM_052841	STK22C	serine/threonine kinase 22C (spermiogenesis associated)
83942	NM_032028	STK22D	serine/threonine kinase 22D (spermiogenesis associated)
9024	NM_003957	STK29	serine/threonine kinase 29
65975	NM_030906	STK33	serine/threonine kinase 33
11139	NM_007064	TRAD	serine/threonine kinase with Dbl- and pleckstrin homology domains
7204	NM_007118	TRIO	TRIPLE FUNCTIONAL DOMAIN PROTEIN (PTPRF INTERACTING PROTEIN)
65125	NM_018979	WNK1	WNK lysine deficient protein kinase 1
65268	NM_006648	WNK2	WNK lysine deficient protein kinase 2
65267	NM_020922	WNK3	WNK lysine deficient protein kinase 3
65266	NM_032387	WNK4	WNK lysine deficient protein kinase 4
1452	NM_001892	CSNK1A1	casein kinase 1, alpha 1
122011	NM_145203	CSNK1A1L	casein kinase 1, alpha 1-like
1453	NM_001893	CSNK1D	casein kinase 1, delta
1454	NM_001894	CSNK1E	casein kinase 1, epsilon
53944	NM_022048	CSNK1G1	casein kinase 1, gamma 1
1455	NM_001319	CSNK1G2	casein kinase 1, gamma 2
1456	NM_004384	CSNK1G3	casein kinase 1, gamma 3
161635	BC028192	LOC161635	similar to casein kinase I alpha
392265	XM_498294	LOC392265	similar to Cell division protein kinase 5 (Tau protein kinase II catalytic subunit) (TPKII catalytic subunit) (Serine/threonine-protein kinase PSSALRE)
341676	<u>NM_199289</u>	NEK5	NIMA (never in mitosis gene a)-related kinase 5
84630	XM_166453	TTBK1	tau tubulin kinase 1
146057	NM_173500	TTBK2	tau tubulin kinase 2
7443	NM_003384	VRK1	vaccinia related kinase 1
7444	NM_006296	VRK2	vaccinia related kinase 2
51231	NM_016440	VRK3	vaccinia related kinase 3
65061	NM_139158	ALS2CR7	SERINE/THREONINE-PROTEIN KINASE ALS2CR7 (EC 2.7.1.-) (AMYOTROPHIC LATERAL SCLEROSIS 2 CHROMOSOMAL REGION CANDIDATE GENE PROTEIN 7)
23552	NM_012119	CCRK	cell cycle related kinase
983	NM_001786	CDC2	CELL DIVISION CONTROL PROTEIN 2 HOMOLOG (EC 2.7.1.-) (P34 PROTEIN KINASE) (CYCLIN-DEPENDENT KINASE 1) (CDK1)
984	NM_033487	CDC2L1	cell division cycle 2-like 1 (PITSLRE proteins)
8621	NM_003718	CDC2L5	CELL DIVISION CYCLE 2-LIKE PROTEIN KINASE 5 (EC 2.7.1.-) (CHOLINESTERASE-RELATED CELL DIVISION CONTROLLER) (CDC2-RELATED PROTEIN KINASE 5)
23097	NM_015076	CDC2L6	cell division cycle 2-like 6 (CDK8-like)
55561	NM_017525	CDC42BPG	CDC42 binding protein kinase gamma (DMPK-like)
8558	NM_003674	CDK10	cyclin-dependent kinase (CDC2-like) 10
1017	NM_001798	CDK2	cyclin-dependent kinase 2
1018	NM_001258	CDK3	cyclin-dependent kinase 3
1019	NM_000075	CDK4	cyclin-dependent kinase 4
1020	NM_004935	CDK5	cyclin-dependent kinase 5
1021	NM_001259	CDK6	cyclin-dependent kinase 6
1022	NM_001799	CDK7	cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase)
1024	NM_001260	CDK8	cyclin-dependent kinase 8
1025	NM_001261	CDK9	cyclin-dependent kinase 9 (CDC2-related kinase)
8814	NM_004196	CDKL1	cyclin-dependent kinase-like 1 (CDC2-related kinase)

8999	NM_003948	CDKL2	cyclin-dependent kinase-like 2 (CDC2-related kinase)
51265	NM_016508	CDKL3	cyclin-dependent kinase-like 3
344387	NM_001009565	CDKL4	cyclin-dependent kinase-like 4
6792	NM_003159	CDKL5	cyclin-dependent kinase-like 5
1195	NM_004071	CLK1	CDC-like kinase 1
1196	NM_001291	CLK2	CDC-like kinase 2
1198	NM_001292	CLK3	CDC-like kinase 3
57396	NM_020666	CLK4	CDC-like kinase 4
51755	NM_016507	CRK7	CDC2-related protein kinase 7
1859	NM_001396	DYRK1A	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A
9149	NM_004714	DYRK1B	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1B
8445	NM_003583	DYRK2	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2
8444	NM_003582	DYRK3	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3
8798	NM_003845	DYRK4	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4
225689	NM_139021	ERK8	extracellular signal-regulated kinase 8
2931	NM_019884	GSK3A	glycogen synthase kinase 3 alpha
2932	NM_002093	GSK3B	glycogen synthase kinase 3 beta
204851	NM_152696	HIPK1	homeodomain interacting protein kinase 1
28996	NM_022740	HIPK2	homeodomain interacting protein kinase 2
10114	NM_005734	HIPK3	homeodomain interacting protein kinase 3
147746	NM_144685	HIPK4	homeodomain interacting protein kinase 4
26353	NM_014365	HSPB8	heat shock 22kDa protein 8
22858	NM_014920	ICK	intestinal cell (MAK-like) kinase
4117	NM_005906	MAK	male germ cell-associated kinase
51701	NM_016231	NLK	nemo-like kinase
9943	NM_005109	OXR1	oxidative-stress responsive 1
5128	NM_002595	PCTK2	PCTAIRE protein kinase 2
5218	NM_012395	PFTK1	PFTAIRE protein kinase 1
5347	NM_005030	PLK1	polo-like kinase 1 (Drosophila)
10769	NM_006622	PLK2	polo-like kinase 2 (Drosophila)
1263	NM_004073	PLK3	polo-like kinase 3 (Drosophila)
8899	NM_003913	PRPF4B	SERINE/THREONINE-PROTEIN KINASE PRP4 HOMOLOG (EC 2.7.1.37) (PRP4 PRE- MRNA PROCESSING FACTOR 4 HOMOLOG) (PRP4 KINASE)
5891	NM_014226	RAGE	renal tumor antigen
6732	NM_003137	SRPK1	SFRS protein kinase 1
6733	NM_182692	SRPK2	SFRS protein kinase 2
26576	NM_014370	STK23	serine/threonine kinase 23
127933	<u>NM_175866</u>	UHMK1	U2AF homology motif (UHM) kinase 1
8165	NM_003488	AKAP1	A kinase (PRKA) anchor protein 1
11216	NM_007202	AKAP10	A kinase (PRKA) anchor protein 10
11215	NM_016248	AKAP11	A kinase (PRKA) anchor protein 11
9590	NM_005100	AKAP12	A kinase (PRKA) anchor protein (gravin) 12
11214	NM_006738	AKAP13	A kinase (PRKA) anchor protein 13
158798	NM_178813	AKAP14	A kinase (PRKA) anchor protein 14
10566	NM_006422	AKAP3	A kinase (PRKA) anchor protein 3
8852	NM_003886	AKAP4	A kinase (PRKA) anchor protein 4
9495	NM_004857	AKAP5	A kinase (PRKA) anchor protein 5
9472	NM_004274	AKAP6	A kinase (PRKA) anchor protein 6
9465	NM_004842	AKAP7	A kinase (PRKA) anchor protein 7
10270	NM_005858	AKAP8	A kinase (PRKA) anchor protein 8
26993	NM_014371	AKAP8L	A kinase (PRKA) anchor protein 8-like
10142	NM_005751	AKAP9	A kinase (PRKA) anchor protein (yotiao) 9
54998	NM_017900	AKIP	aurora-A kinase interacting protein
10926	NM_006716	ASK	activator of S phase kinase
51550	NM_032630	CINP	cyclin-dependent kinase 2-interacting protein
1796	NM_001381	DOK1	docking protein 1, 62kDa (downstream of tyrosine kinase 1)
2323	BF688722	FLT3LG	fms-related tyrosine kinase 3 ligand
28964	NM_014030	GIT1	G protein-coupled receptor kinase-interactor 1
9815	NM_014776	GIT2	G protein-coupled receptor kinase-interactor 2
9146	NM_004712	HGS	hepatocyte growth factor-regulated tyrosine kinase substrate
57596	NM_020836	KIAA1446	brain-enriched guanylate kinase-associated protein
57498	AB033076	KIDINS220	likely homolog of rat kinase D-interacting substance of 220 kDa
55971	NM_018842	LOC55971	insulin receptor tyrosine kinase substrate
8567	NM_003682	MADD	MAP-kinase activating death domain
154043	NM_173515	MAGI1	membrane associated guanylate kinase interacting protein-like 1
8649	NM_021970	MAP2K1IP1	mitogen-activated protein kinase kinase 1 interacting protein 1
10454	NM_006116	MAP3K7IP1	mitogen-activated protein kinase kinase kinase 7 interacting protein 1
23118	NM_015093	MAP3K7IP2	mitogen-activated protein kinase kinase kinase 7 interacting protein 2
4900	NM_006176	NRGN	neurogranin (protein kinase C substrate, RC3)

64710	NM_022731	NUCKS	nuclear ubiquitous casein kinase and cyclin-dependent kinase substrate
11252	NM_007229	PACSIN2	PROTEIN KINASE C AND CASEIN KINASE SUBSTRATE IN NEURONS PROTEIN 2
29763	NM_016223	PACSIN3	PROTEIN KINASE C AND CASEIN KINASE SUBSTRATE IN NEURONS PROTEIN 3 (SH3 DOMAIN-CONTAINING PROTEIN 6511) (ENDOPHILIN I)
5569	NM_181839	PKIA	protein kinase (cAMP-dependent, catalytic) inhibitor alpha
5570	NM_181795	PKIB	protein kinase (cAMP-dependent, catalytic) inhibitor beta
11142	NM_181805	PKIG	protein kinase (cAMP-dependent, catalytic) inhibitor gamma
9463	NM_012407	PRKCABP	protein kinase C, alpha binding protein
23613	NM_183048	PRKCBP1	protein kinase C binding protein 1
112464	NM_145040	PRKCDBP	protein kinase C, delta binding protein
30011	NM_031892	SH3KBP1	SH3-domain kinase binding protein 1
80309	XM_051221	SKIP	SPHK1 (sphingosine kinase type 1) interacting protein
6500	NM_006930	SKP1A	S-phase kinase-associated protein 1A (p19A)
6502	NM_005983	SKP2	S-phase kinase-associated protein 2 (p45)
114790	NM_052902	STK11IP	serine/threonine kinase 11 interacting protein
80342	NM_025228	T3JAM	TRAF3-interacting Jun N-terminal kinase (JNK)-activating modulator
60385	NM_021733	TSKS	testis-specific kinase substrate
7305	NM_003332	TYROBP	TYRO protein tyrosine kinase binding protein
132	NM_001123	ADK	adenosine kinase
203	NM_000476	AK1	adenylate kinase 1
204	NM_001625	AK2	adenylate kinase 2
205	NM_013410	AK3	adenylate kinase 3
50808	NM_016282	AK3L1	adenylate kinase 3 like 1
26289	NM_174858	AK5	adenylate kinase 5
122481	NM_152327	AK7	adenylate kinase 7
55589	NM_017593	BMP2K	BMP2 inducible kinase
801	NM_006888	CALM1	calmodulin 1 (phosphorylase kinase, delta)
805	NM_001743	CALM2	calmodulin 2 (phosphorylase kinase, delta)
808	NM_005184	CALM3	calmodulin 3 (phosphorylase kinase, delta)
23729	NM_013276	CARKL	carbohydrate kinase-like
8851	NM_003885	CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)
8941	NM_003936	CDK5R2	cyclin-dependent kinase 5, regulatory subunit 2 (p39)
1026	NM_000389	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)
64781	NM_182661	CERK	ceramide kinase
1152	NM_001823	CKB	creatine kinase, brain
1158	NM_001824	CKM	creatine kinase, muscle
1159	NM_020990	CKMT1	creatine kinase, mitochondrial 1 (ubiquitous)
1160	NM_001825	CKMT2	creatine kinase, mitochondrial 2 (sarcomeric)
1633	NM_000788	DCK	deoxycytidine kinase
1606	NM_001345	DGKA	diacylglycerol kinase, alpha 80kDa
1607	NM_004080	DGKB	diacylglycerol kinase, beta 90kDa
8527	NM_003648	DGKD	diacylglycerol kinase, delta 130kDa
8526	NM_003647	DGKE	diacylglycerol kinase, epsilon 64kDa
1608	NM_001346	DGKG	diacylglycerol kinase, gamma 90kDa
160851	NM_152910	DGKH	diacylglycerol kinase, eta
9162	NM_004717	DGKI	diacylglycerol kinase, iota
1609	NM_001347	DGKQ	diacylglycerol kinase, theta 110kDa
8525	NM_003646	DGKZ	diacylglycerol kinase, zeta 104kDa
1716	NM_001929	DGUOK	deoxyguanosine kinase
1841	NM_012145	DTYMK	deoxythymidylate kinase (thymidylate kinase)
65220	NM_023018	FLJ13052	NAD kinase
64122	NM_022158	FN3K	fructosamine-3-kinase
79672	NM_024619	FN3KRP	fructosamine-3-kinase-related protein
197258	NM_145059	FUK	L-fucose kinase
2710	NM_000167	GK	glycerol kinase
2712	NM_033214	GK2	glycerol kinase 2
10020	NM_005476	GNE	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase
2987	NM_000858	GUK1	guanylate kinase 1
3098	NM_000188	HK1	HEXOKINASE, TYPE I (EC 2.7.1.1) (HK I) (BRAIN FORM HEXOKINASE)
3099	NM_000189	HK2	HEXOKINASE, TYPE II (EC 2.7.1.1) (HK II) (MUSCLE FORM HEXOKINASE)
3101	NM_002115	HK3	HEXOKINASE TYPE III (EC 2.7.1.1) (HK III)
9807	NM_153273	IHPK1	inositol hexaphosphate kinase 1
51447	NM_016291	IHPK2	inositol hexaphosphate kinase 2
117283	NM_054111	IHPK3	inositol hexaphosphate kinase 3
3705	NM_014216	ITPK1	inositol 1,3,4-triphosphate 5/6 kinase
3706	NM_002220	ITPKA	inositol 1,4,5-triphosphate 3-kinase A
3707	NM_002221	ITPKB	inositol 1,4,5-triphosphate 3-kinase B

80271	NM_025194	ITPKC	inositol 1,4,5-trisphosphate 3-kinase C
3795	NM_000221	KHK	KETOHEXOKINASE (EC 2.7.1.3) (HEPATIC FRUCTOKINASE)
260425	NM_020965	MAGI-3	membrane-associated guanylate kinase-related (MAGI-3)
4598	NM_000431	MVK	mevalonate kinase (mevalonic aciduria)
55577	NM_017567	NAGK	N-acetylglucosamine kinase
64149	NM_022344	NJMU-R1	protein kinase Njmu-R1
4830	NM_000269	NME1	NUCLEOSIDE DIPHOSPHATE KINASE A (EC 2.7.4.6) (NDK A) (NDP KINASE A) (TUMOR METASTATIC PROCESS-ASSOCIATED PROTEIN) (METASTASIS INHIBITION FACTOR NM23) (NM23-H1)
4831	NM_002512	NME2	NUCLEOSIDE DIPHOSPHATE KINASE B (EC 2.7.4.6) (NDK B) (NDP KINASE B) (NM23-H2) (C-MYC PURINE-BINDING TRANSCRIPTION FACTOR PUF)
4832	NM_002513	NME3	NUCLEOSIDE DIPHOSPHATE KINASE 3 (EC 2.7.4.6) (NDK 3) (NDP KINASE 3) (NM23-H3) (DR-NM23)
4833	NM_005009	NME4	NUCLEOSIDE DIPHOSPHATE KINASE, MITOCHONDRIAL PRECURSOR (EC 2.7.4.6) (NDP KINASE, MITOCHONDRIAL) (NDK) (NM23-H4)
8382	NM_003551	NME5	non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase)
10201	NM_005793	NME6	non-metastatic cells 6, protein expressed in (nucleoside-diphosphate kinase)
29922	NM_013330	NME7	non-metastatic cells 7, protein expressed in (nucleoside-diphosphate kinase)
89882	BC033792	NYD-SP25	protein kinase NYD-SP25
89882	NM_033516	NYD-SP25	protein kinase NYD-SP25
29993	NM_020804	PACSIN1	protein kinase C and casein kinase substrate in neurons 1
53354	NM_138316	PANK1	pantothenate kinase 1
80025	NM_024960	PANK2	pantothenate kinase 2 (Hallervorden-Spatz syndrome)
79646	NM_024594	PANK3	pantothenate kinase 3
55229	NM_018216	PANK4	pantothenate kinase 4
8566	NM_003681	PDXK	pyridoxal (pyridoxine, vitamin B6) kinase
5207	NM_002625	PFKFB1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1
5208	NM_006212	PFKFB2	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2
5209	NM_004566	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
5210	NM_004567	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4
5211	NM_002626	PFKL	6-PHOSPHOFRUCTOKINASE, LIVER TYPE (EC 2.7.1.11) (PHOSPHOFRUCTOKINASE 1) (PHOSPHOHEXOKINASE) (PHOSPHOFRUCTO-1-KINASE ISOZYME B) (PFK-B)
5213	NM_000289	PFKM	6-PHOSPHOFRUCTOKINASE, MUSCLE TYPE (EC 2.7.1.11) (PHOSPHOFRUCTOKINASE 1) (PHOSPHOHEXOKINASE) (PHOSPHOFRUCTO-1-KINASE ISOZYME A) (PFK-A)
5214	NM_002627	PFKP	6-PHOSPHOFRUCTOKINASE, TYPE C (EC 2.7.1.11) (PHOSPHOFRUCTOKINASE 1) (PHOSPHOHEXOKINASE) (PHOSPHOFRUCTO-1-KINASE ISOZYME C) (PFK-C) (6-PHOSPHOFRUCTOKINASE, PLATELET TYPE)
5230	NM_000291	PGK1	phosphoglycerate kinase 1
5232	NM_138733	PGK2	phosphoglycerate kinase 2
55300	NM_018323	PI4K2B	phosphatidylinositol 4-kinase type-II beta
55361	NM_018425	PI4KII	phosphatidylinositol 4-kinase type II
5297	NM_002650	PIK4CA	phosphatidylinositol 4-kinase, catalytic, alpha polypeptide
5298	NM_002651	PIK4CB	phosphatidylinositol 4-kinase, catalytic, beta polypeptide
8394	NM_003557	PIP5K1A	phosphatidylinositol-4-phosphate 5-kinase, type I, alpha
8395	NM_003558	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta
23396	NM_012398	PIP5K1C	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma
5305	NM_005028	PIP5K2A	phosphatidylinositol-4-phosphate 5-kinase, type II, alpha
8396	NM_003559	PIP5K2B	phosphatidylinositol-4-phosphate 5-kinase, type II, beta
79837	NM_024779	PIP5K2C	phosphatidylinositol-4-phosphate 5-kinase, type II, gamma
200576	NM_152671	PIP5K3	phosphatidylinositol-4-phosphate 5-kinase, type III
5313	NM_000298	PKLR	pyruvate kinase, liver and RBC
5315	NM_182471	PKM2	pyruvate kinase, muscle
10654	NM_006556	PMVK	phosphomevalonate kinase
5576	NM_004157	PRKAR2A	protein kinase, cAMP-dependent, regulatory, type II, alpha
5577	NM_002736	PRKAR2B	protein kinase, cAMP-dependent, regulatory, type II, beta
8575	NM_003690	PRKRA	protein kinase, interferon-inducible double stranded RNA dependent activator
5612	NM_004705	PRKRIR	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)
64080	NM_022128	RBKS	Ribokinase
8877	NM_021972	SPHK1	sphingosine kinase 1
56848	NM_020126	SPHK2	sphingosine kinase 2
7083	NM_003258	TK1	thymidine kinase 1, soluble
7084	NM_004614	TK2	thymidine kinase 2, mitochondrial

27010	NM_022445	TPK1	THIAMIN PYROPHOSPHOKINASE 1; MOUSE THIAMIN PYROPHOSPHOKINASE HOMOLOG; THIAMINE PYROPHOSPHOKINASE
83549	NM_031432	UCK1	uridine-cytidine kinase 1
7360	NM_006759	UGP2	UTP--GLUCOSE-1-PHOSPHATE URIDYLTRANSFERASE 2 (EC 2.7.7.9) (UDP- GLUCOSE PYROPHOSPHORYLASE 2) (UDPGP 2) (UGPASE 2)
51727	NM_016308	UMP-CMPK	UMP-CMP kinase
9942	NM_005108	XYLB	XYLULOKINASE HOMOLOG; XYLULOKINASE (H. INFLUENZAE) HOMOLOG
22848	NM_014911	AAK1	AP2 associated kinase 1
80216	NM_025144	ALPK1	alpha-kinase 1
115701	NM_052947	ALPK2	alpha-kinase 2
23092	NM_015071	ARHGAP26	Rho GTPase activating protein 26
9212	NM_004217	AURKB	aurora kinase B
6795	NM_003160	AURKC	aurora kinase C
699	NM_004336	BUB1	MITOTIC CHECKPOINT SERINE/THREONINE-PROTEIN KINASE BUB1 (EC 2.7.1.-) (HBUB1) (BUB1A)
701	NM_001211	BUB1B	MITOTIC CHECKPOINT SERINE/THREONINE-PROTEIN KINASE BUB1 BETA (EC 2.7.1.-) (HBUBR1) (MAD3/BUB1-RELATED PROTEIN KINASE) (MITOTIC CHECKPOINT KINASE MAD3L)
85006	NM_003681	C21orf124	pyridoxal (pyridoxine, vitamin B6) kinase
84254	NM_032294	CAMKK1	calcium/calmodulin-dependent protein kinase kinase 1, alpha
10645	NM_006549	CAMKK2	calcium/calmodulin-dependent protein kinase kinase 2, beta
56990	NM_020240	CDC42SE2	CDC42 small effector 2
1027	NM_004064	CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)
1028	NM_000076	CDKN1C	cyclin-dependent kinase inhibitor 1C (p57, Kip2)
1029	NM_000077	CDKN2A	cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)
1030	NM_004936	CDKN2B	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)
1031	NM_001262	CDKN2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)
1032	NM_001800	CDKN2D	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)
1119	NM_001277	CHKA	choline kinase alpha
1120	NM_005198	CHKB	choline kinase beta
1147	NM_001278	CHUK	conserved helix-loop-helix ubiquitous kinase
1163	NM_001826	CKS1B	CDC28 protein kinase regulatory subunit 1B
1164	NM_001827	CKS2	CDC28 protein kinase regulatory subunit 2
10256	NM_006314	CNKS1	connector enhancer of kinase suppressor of Ras 1
1457	NM_001895	CSNK2A1	casein kinase 2, alpha 1 polypeptide
1459	NM_001896	CSNK2A2	casein kinase 2, alpha prime polypeptide
1460	NM_001320	CSNK2B	casein kinase 2, beta polypeptide
27102	NM_014413	EIF2AK1	eukaryotic translation initiation factor 2-alpha kinase 1
5610	NM_002759	EIF2AK2	eukaryotic translation initiation factor 2-alpha kinase2
9451	NM_004836	EIF2AK3	eukaryotic translation initiation factor 2-alpha kinase 3
27104	BX640919	EIF2AK4	eukaryotic translation initiation factor 2 alpha kinase 4
54869	NM_017729	EPS8L1	EPS8-like 1
2081	NM_001433	ERN1	ER TO NUCLEUS SIGNALLING 1
10595	NM_033266	ERN2	ER TO NUCLEUS SIGNALLING 2; IRE1 BETA; IRE1, S. CEREVISIAE, HOMOLOG OF
55500	NM_018638	ETNK1	ethanolamine kinase 1
55224	NM_018208	ETNK2	ethanolamine kinase 2
55277	NM_018291	FLJ10986	hypothetical protein FLJ10986
84926	NM_032840	SPRYD3	SPRY domain containing 3
2580	NM_005255	GAK	cyclin G associated kinase
2584	NM_000154	GALK1	galactokinase 1
2585	NM_002044	GALK2	galactokinase 2
2645	NM_000162	GCK	glucokinase (hexokinase 4, maturity onset diabetes of the young 2)
80318	NM_025211	GKAP1	G kinase anchoring protein 1
6011	NM_002929	GRK1	G protein-coupled receptor kinase 1
2868	NM_182982	GRK4	G protein-coupled receptor kinase 4
2869	NM_005308	GRK5	G protein-coupled receptor kinase 5
2870	NM_002082	GRK6	G protein-coupled receptor kinase 6
131890	NM_139209	GRK7	G protein-coupled receptor kinase 7
25998	AB037838	IBTK	inhibitor of Bruton agammaglobulinemia tyrosine kinase
8518	NM_003640	IKBKAP	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein
3551	NM_001556	IKBKB	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta
9641	NM_014002	IKBKE	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon
8517	NM_003639	IKBKG	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma
22853	NM_014916	LMTK2	lemur tyrosine kinase 2

114783	XM_055866	LMTK3	lemur tyrosine kinase 3
285940	XM_376585	LOC285940	similar to CDC-like kinase 2, isoform hckl2
390975	XM_372749	LOC390975	similar to protein kinase Bsk146
79705	NM_024652	LRRK1	leucine-rich repeat kinase 1
256356	NM_152776	MGC40579	hypothetical protein MGC40579
4342	NM_005372	MOS	PROTO-ONCOGENE SERINE/THREONINE-PROTEIN KINASE MOS (EC 2.7.1.37) (C-MOS)
4750	NM_012224	NEK1	NIMA (never in mitosis gene a)-related kinase 1
79858	NM_024800	NEK11	NIMA (never in mitosis gene a)- related kinase 11
4751	NM_002497	NEK2	NIMA (never in mitosis gene a)-related kinase 2
4752	NM_002498	NEK3	NIMA (never in mitosis gene a)-related kinase 3
6787	NM_003157	NEK4	NIMA (never in mitosis gene a)-related kinase 4
10783	NM_014397	NEK6	NIMA (never in mitosis gene a)-related kinase 6
140609	NM_133494	NEK7	NIMA (never in mitosis gene a)-related kinase 7
284086	NM_178170	NEK8	NIMA (never in mitosis gene a)- related kinase 8
91754	NM_033116	NEK9	NIMA (never in mitosis gene a)- related kinase 9
29959	NM_013392	NRBP	NUCLEAR RECEPTOR BINDING PROTEIN; MULTIPLE DOMAIN PUTATIVE NUCLEAR PROTEIN
203447	NM_198465	NRK	Nik related kinase
5105	NM_002591	PCK1	phosphoenolpyruvate carboxykinase 1 (soluble)
149420	NM_152835	PDIK1L	PDLIM1 interacting kinase 1 like
118788	NM_152309	PIK3AP1	phosphoinositide-3-kinase adaptor protein 1
5286	NM_002645	PIK3C2A	phosphoinositide-3-kinase, class 2, alpha polypeptide
5287	NM_002646	PIK3C2B	phosphoinositide-3-kinase, class 2, beta polypeptide
5288	NM_004570	PIK3C2G	phosphoinositide-3-kinase, class 2, gamma polypeptide
5289	NM_002647	PIK3C3	phosphoinositide-3-kinase, class 3
5290	NM_006218	PIK3CA	phosphoinositide-3-kinase, catalytic, alpha polypeptide
5291	NM_006219	PIK3CB	phosphoinositide-3-kinase, catalytic, beta polypeptide
5293	NM_005026	PIK3CD	phosphoinositide-3-kinase, catalytic, delta polypeptide
5294	NM_002649	PIK3CG	phosphoinositide-3-kinase, catalytic, gamma polypeptide
5295	NM_181504	PIK3R1	phosphoinositide-3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)
5296	NM_005027	PIK3R2	phosphoinositide-3-kinase, regulatory subunit, polypeptide 2 (p85 beta)
8503	NM_003629	PIK3R3	phosphoinositide-3-kinase, regulatory subunit, polypeptide 3 (p55, gamma)
30849	NM_014602	PIK3R4	phosphoinositide-3-kinase, regulatory subunit 4, p150
23533	NM_014308	PIK3R5	phosphoinositide-3-kinase, regulatory subunit 5, p101
65018	NM_032409	PINK1	PTEN induced putative kinase 1
9088	NM_004203	PKMYT1	membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase
5328	NM_002658	PLAU	plasminogen activator, urokinase
221823	NM_175886	PRPS1L1	phosphoribosyl pyrophosphate synthetase 1-like 1
5651	NM_002772	PRSS7	protease, serine, 7 (enterokinase)
55312	NM_018339	RFK	riboflavin kinase
388228	NM_001024401	SBK1	SH3-binding domain kinase 1
81858	NM_030974	Sharnin	SHANK-associated RH domain interactor
22986	NM_014978	SORCS3	sortilin-related VPS10 domain containing receptor 3
8576	NM_003691	STK16	serine/threonine kinase 16
56164	NM_031414	STK31	serine/threonine kinase 31
202374	NM_145001	STK32A	serine/threonine kinase 32A
55351	NM_018401	STK32B	serine/threonine kinase 32B
282974	NM_173575	STK32C	serine/threonine kinase 32C
140901	NM_080836	STK35	serine/threonine kinase 35
27148	NM_015690	STK36	serine/threonine kinase 36 (fused homolog, Drosophila)
6790	NM_003600	STK6	serine/threonine kinase 6
57551	NM_020791	TAOK1	TAO kinase 1
9344	NM_004783	TAOK2	TAO kinase 2
9344	NM_016151	TAOK2	TAO kinase 3
51347	NM_016281	TAOK3	TAO kinase 4
29110	NM_013254	TBK1	TANK-binding kinase 1
9874	NM_012290	TLK1	tousled-like kinase 1
11011	NM_006852	TLK2	tousled-like kinase 2
23043	XM_039796	TNIK	TRAF2 and NCK interacting kinase
7272	NM_003318	TTK	TTK protein kinase
7371	NM_012474	UCK2	uridine-cytidine kinase 2
54963	NM_017859	UCKL1	uridine-cytidine kinase 1-like 1
8408	NM_003565	ULK1	unc-51-like kinase 1 (C. elegans)
9706	NM_014683	ULK2	unc-51-like kinase 2 (C. elegans)
25989	NM_015518	ULK3	unc-51-like kinase 3 (C. elegans)
54986	NM_017886	ULK4	unc-51-like kinase 4 (C. elegans)
151525	NM_152528	WDSAM1	WD repeat, SAM and U-box domain containing 1
7465	NM_003390	WEE1	WEE1-LIKE PROTEIN KINASE (EC 2.7.1.112) (WEE1HU)
51530	NM_016478	ZC3HC1	zinc finger, C3HC-type containing 1

Gene ID	Accession	Gene Name	Description
55437	NM_018571	ALS2CR2	AMYOTROPHIC LATERAL SCLEROSIS 2 (JUVENILE) CHROMOSOME REGION, CANDIDATE 2; ILP-INTERACTING PROTEIN ILPIPA
375449	NM_198828	LOC375449	similar to microtubule associated testis specific serine/threonine protein kinase
407835	NR_002144	LOC407835	mitogen-activated protein kinase kinase 2 pseudogene
92335	NM_153335	LYK5	protein kinase LYK5
5604	NM_002755	MAP2K1	mitogen-activated protein kinase kinase 1
5605	NM_030662	MAP2K2	mitogen-activated protein kinase kinase 2
5606	NM_002756	MAP2K3	mitogen-activated protein kinase kinase 3
6416	NM_003010	MAP2K4	mitogen-activated protein kinase kinase 4
5607	NM_002757	MAP2K5	mitogen-activated protein kinase kinase 5
5608	NM_002758	MAP2K6	mitogen-activated protein kinase kinase 6
5609	NM_145185	MAP2K7	mitogen-activated protein kinase kinase 7
4214	XM_042066	MAP3K1	mitogen-activated protein kinase kinase kinase 1
9020	NM_003954	MAP3K14	mitogen-activated protein kinase kinase kinase 14
10746	NM_006609	MAP3K2	mitogen-activated protein kinase kinase kinase 2
4215	NM_002401	MAP3K3	mitogen-activated protein kinase kinase kinase 3
4216	NM_005922	MAP3K4	mitogen-activated protein kinase kinase kinase 4
4217	NM_005923	MAP3K5	mitogen-activated protein kinase kinase kinase 5
9064	NM_004672	MAP3K6	mitogen-activated protein kinase kinase kinase 6
1326	NM_005204	MAP3K8	mitogen-activated protein kinase kinase kinase 8
4293	XM_027237	MAP3K9	mitogen-activated protein kinase kinase kinase 9
11184	NM_007181	MAP4K1	mitogen-activated protein kinase kinase kinase kinase 1
5871	NM_004579	MAP4K2	mitogen-activated protein kinase kinase kinase kinase 2
8491	NM_003618	MAP4K3	mitogen-activated protein kinase kinase kinase kinase 3
9448	NM_004834	MAP4K4	mitogen-activated protein kinase kinase kinase kinase 4
11183	NM_006575	MAP4K5	mitogen-activated protein kinase kinase kinase kinase 5
5594	NM_002745	MAPK1	mitogen-activated protein kinase 1
5602	NM_002753	MAPK10	mitogen-activated protein kinase 10
5600	NM_002751	MAPK11	mitogen-activated protein kinase 11
6300	NM_002969	MAPK12	mitogen-activated protein kinase 12
5603	NM_002754	MAPK13	mitogen-activated protein kinase 13
1432	NM_001315	MAPK14	mitogen-activated protein kinase 14
5595	NM_002746	MAPK3	mitogen-activated protein kinase 3
5596	NM_002747	MAPK4	mitogen-activated protein kinase 4
5597	NM_002748	MAPK6	mitogen-activated protein kinase 6
5598	NM_002749	MAPK7	mitogen-activated protein kinase 7
5599	NM_002750	MAPK8	mitogen-activated protein kinase 8
9479	NM_005456	MAPK8IP1	mitogen-activated protein kinase 8 interacting protein 1
23542	NM_012324	MAPK8IP2	mitogen-activated protein kinase 8 interacting protein 2
23162	NM_015133	MAPK8IP3	mitogen-activated protein kinase 8 interacting protein 3
5601	NM_002752	MAPK9	mitogen-activated protein kinase 9
79109	NM_024117	MAPKAP1	mitogen-activated protein kinase associated protein 1
9261	NM_004759	MAPKAPK2	mitogen-activated protein kinase-activated protein kinase 2
7867	NM_004635	MAPKAPK3	mitogen-activated protein kinase-activated protein kinase 3
8550	NM_003668	MAPKAPK5	mitogen-activated protein kinase-activated protein kinase 5
23005	XM_031706	MAPKBP1	likely ortholog of mouse mitogen activated protein kinase binding protein 1
4082	NM_002356	MARCKS	myristoylated alanine-rich protein kinase C substrate
4139	NM_018650	MARK1	MAP/microtubule affinity-regulating kinase 1
2011	NM_004954	MARK2	MAP/microtubule affinity-regulating kinase 2
4140	NM_002376	MARK3	MAP/microtubule affinity-regulating kinase 3
57787	NM_031417	MARK4	MAP/microtubule affinity-regulating kinase 4
51765	NM_016542	MST4	Mst3 and SOK1-related kinase
5058	NM_002576	PAK1	p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast)
5062	NM_002577	PAK2	p21 (CDKN1A)-activated kinase 2
5063	NM_002578	PAK3	p21 (CDKN1A)-activated kinase 3
10298	NM_005884	PAK4	p21(CDKN1A)-activated kinase 4
56924	NM_020168	PAK6	p21(CDKN1A)-activated kinase 6
57144	NM_177990	PAK7	p21(CDKN1A)-activated kinase 7
5129	NM_002596	PCTK3	PCTAIRE protein kinase 3
54899	NM_017771	PXK	PX domain containing serine/threonine kinase
9748	NM_014720	SLK	Ste20-related serine/threonine kinase
6793	NM_005990	STK10	serine/threonine kinase 10
8428	NM_003576	STK24	serine/threonine kinase 24 (STE20 homolog, yeast)
10494	NM_006374	STK25	serine/threonine kinase 25 (STE20 homolog, yeast)
6788	NM_006281	STK3	serine/threonine kinase 3 (STE20 homolog, yeast)
27347	NM_013233	STK39	serine threonine kinase 39 (STE20/SPS1 homolog, yeast)
6789	NM_006282	STK4	serine/threonine kinase 4
9625	AB014541	AATK	apoptosis-associated tyrosine kinase
25	NM_005157	ABL1	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE ABL1 (EC 2.7.1.112) (P150) (C-ABL)

27	NM_005158	ABL2	TYROSINE-PROTEIN KINASE ABL2 (EC 2.7.1.112) (TYROSINE KINASE ARG)
238	NM_004304	ALK	anaplastic lymphoma kinase (Ki-1)
558	NM_001699	AXL	AXL receptor tyrosine kinase
640	NM_001715	BLK	B lymphoid tyrosine kinase
660	NM_001721	BMX	BMX non-receptor tyrosine kinase
695	NM_000061	BTK	Bruton agammaglobulinemia tyrosine kinase
1445	NM_004383	CSK	c-src tyrosine kinase
780	NM_001954	DDR1	EPITHELIAL DISCOIDIN DOMAIN RECEPTOR 1 PRECURSOR (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE CAK) (CELL ADHESION KINASE) (TYROSINE KINASE DDR) (DISCOIDIN RECEPTOR TYROSINE KINASE) (TRK E) (PROTEIN-TYROSINE KINASE RTK 6) (CD167A ANTIGEN)
4921	NM_006182	DDR2	DISCOIDIN DOMAIN RECEPTOR 2 PRECURSOR (EC 2.7.1.112) (RECEPTOR PROTEIN-TYROSINE KINASE TKT) (TYROSINE-PROTEIN KINASE TYRO 10) (NEUROTROPHIC TYROSINE KINASE, RECEPTOR-RELATED 3)
1956	NM_005228	EGFR	EPIDERMAL GROWTH FACTOR RECEPTOR PRECURSOR (EC 2.7.1.112) (RECEPTOR PROTEIN-TYROSINE KINASE ERBB-1)
2041	NM_005232	EPHA1	EPHRIN TYPE-A RECEPTOR 1 PRECURSOR (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR EPH)
1969	NM_004431	EPHA2	EPHRIN TYPE-A RECEPTOR 2 PRECURSOR (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR ECK) (EPITHELIAL CELL KINASE)
2042	NM_005233	EPHA3	EPHRIN TYPE-A RECEPTOR 3 PRECURSOR (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR ETK1) (HEK) (HEK4)
2043	NM_004438	EPHA4	EPHRIN TYPE-A RECEPTOR 4 PRECURSOR (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR SEK) (RECEPTOR PROTEIN-TYROSINE KINASE HEK8)
2044	NM_004439	EPHA5	EPHRIN TYPE-A RECEPTOR 5 PRECURSOR (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR EHK-1) (EPH HOMOLOGY KINASE-1) (RECEPTOR PROTEIN- TYROSINE KINASE HEK7)
2045	NM_004440	EPHA7	EPHRIN TYPE-A RECEPTOR 7 PRECURSOR (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR EHK-3) (EPH HOMOLOGY KINASE-3) (RECEPTOR PROTEIN- TYROSINE KINASE HEK11)
2046	NM_020526	EPHA8	EPHRIN TYPE-A RECEPTOR 8 PRECURSOR (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR EEK) (EPH-AND ELK-RELATED KINASE) (HEK3)
2047	NM_004441	EPHB1	ephrin receptor EphB1 precursor, class B.
2048	NM_017449	EPHB2	EPHRIN TYPE-B RECEPTOR 2 PRECURSOR (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR EPH-3) (DRT) (RECEPTOR PROTEIN-TYROSINE KINASE HEK5) (ERK)
2049	NM_004443	EPHB3	ephrin receptor EphB3 precursor, class B.
2050	NM_004444	EPHB4	EPHRIN TYPE-B RECEPTOR 4 PRECURSOR (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR HTK)
2051	NM_004445	EPHB6	EPHRIN TYPE-B RECEPTOR 6 PRECURSOR (TYROSINE-PROTEIN KINASE-DEFECTIVE RECEPTOR EPH-6) (HEP)
2064	NM_004448	ERBB2	RECEPTOR PROTEIN-TYROSINE KINASE ERBB-2 PRECURSOR (EC 2.7.1.112) (P185ERBB2) (NEU PROTO-ONCOGENE) (C-ERBB-2) (TYROSINE KINASE-TYPE CELL SURFACE RECEPTOR HER2) (MLN 19)
2065	NM_001982	ERBB3	RECEPTOR PROTEIN-TYROSINE KINASE ERBB-3 PRECURSOR (EC 2.7.1.112) (C-ERBB3) (TYROSINE KINASE-TYPE CELL SURFACE RECEPTOR HER3)
2066	NM_005235	ERBB4	v-erb-a erythroblastic leukemia viral oncogene homolog 4
2241	NM_005246	FER	fer (fps/fes related) tyrosine kinase (phosphoprotein NCP94)
2242	NM_002005	FES	feline sarcoma oncogene (The gene product has tyrosine-specific protein kinase activity.)
2260	NM_000604	FGFR1	fibroblast growth factor receptor 1 (fms-related tyrosine kinase 2, Pfeiffer syndrome)
2263	NM_000141	FGFR2	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome)
2261	NM_000142	FGFR3	FIBROBLAST GROWTH FACTOR RECEPTOR 3 PRECURSOR (EC 2.7.1.112) (FGFR-3)
2264	NM_002011	FGFR4	FIBROBLAST GROWTH FACTOR RECEPTOR 4 PRECURSOR (EC 2.7.1.112) (FGFR-4)
2268	NM_005248	FGR	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE FGR (EC 2.7.1.112) (P55-FGR) (C-FGR)
2321	NM_002019	FLT1	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)

2322	NM_004119	FLT3	fms-related tyrosine kinase 3
2324	NM_002020	FLT4	fms-related tyrosine kinase 4
2444	NM_002031	FRK	fyn-related kinase
2534	NM_002037	FYN	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE FYN (EC 2.7.1.112) (P59-FYN) (SYN) (SLK)
3055	NM_002110	HCK	hemopoietic cell kinase
3716	NM_002227	JAK1	Janus kinase 1 (a protein tyrosine kinase)
3717	NM_004972	JAK2	Janus kinase 2 (a protein tyrosine kinase)
3718	NM_000215	JAK3	Janus kinase 3 (a protein tyrosine kinase, leukocyte)
3791	NM_002253	KDR	kinase insert domain receptor (a type III receptor tyrosine kinase)
3815	NM_000222	KIT	MAST/STEM CELL GROWTH FACTOR RECEPTOR PRECURSOR (EC 2.7.1.112) (SCFR) (PROTO-ONCOGENE TYROSINE-PROTEIN KINASE KIT) (C-KIT) (CD117 ANTIGEN)
3932	NM_005356	LCK	lymphocyte-specific protein tyrosine kinase
283155	XM_208545	LOC283155	similar to bone morphogenetic protein receptor, type IA precursor; activin A receptor, type II-like kinase 3
4058	NM_002344	LTK	leukocyte tyrosine kinase
4067	NM_002350	LYN	TYROSINE-PROTEIN KINASE LYN (EC 2.7.1.112)
4145	NM_002378	MATK	megakaryocyte-associated tyrosine kinase
10461	NM_006343	MERTK	c-mer proto-oncogene tyrosine kinase
4233	NM_000245	MET	HEPATOCYTE GROWTH FACTOR RECEPTOR PRECURSOR (EC 2.7.1.112) (MET PROTO- ONCOGENE TYROSINE KINASE) (C-MET) (HGF RECEPTOR) (HGF-SF RECEPTOR)
4486	NM_002447	MST1R	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)
4593	NM_005592	MUSK	muscle, skeletal, receptor tyrosine kinase
4914	NM_002529	NTRK1	neurotrophic tyrosine kinase, receptor, type 1
4915	NM_006180	NTRK2	neurotrophic tyrosine kinase, receptor, type 2
4916	NM_002530	NTRK3	neurotrophic tyrosine kinase, receptor, type 3
5156	NM_006206	PDGFRA	ALPHA PLATELET-DERIVED GROWTH FACTOR RECEPTOR PRECURSOR (EC 2.7.1.112) (PDGF-R-ALPHA) (CD140A ANTIGEN)
5159	NM_002609	PDGFRB	MACROPHAGE COLONY STIMULATING FACTOR I RECEPTOR PRECURSOR (CSF-1-R) (EC 2.7.1.112) (FMS PROTO-ONCOGENE) (C-FMS) (CD115 ANTIGEN)
10733	NM_014264	PLK4	polo-like kinase 4 (Drosophila)
5747	NM_005607	PTK2	PTK2 protein tyrosine kinase 2
2185	NM_173176	PTK2B	PTK2B protein tyrosine kinase 2 beta
5753	NM_005975	PTK6	PTK6 protein tyrosine kinase 6
5754	NM_152883	PTK7	PTK7 protein tyrosine kinase 7
5979	NM_020975	RET	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE RECEPTOR RET PRECURSOR (EC 2.7.1.112) (C-RET)
4919	NM_005012	ROR1	receptor tyrosine kinase-like orphan receptor 1
4920	NM_004560	ROR2	receptor tyrosine kinase-like orphan receptor 2
6098	NM_002944	ROS1	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE ROS PRECURSOR (EC 2.7.1.112) (C-ROS-1)
6259	NM_002958	RYK	RYK receptor-like tyrosine kinase
6714	NM_005417	SRC	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE SRC (EC 2.7.1.112) (P60-SRC) (C-SRC)
6725	NM_080823	SRMS	src-related kinase lacking C-terminal regulatory tyrosine and N-terminal myristylation sites
55359	NM_018423	STYK1	serine/threonine/tyrosine kinase 1
6850	NM_003177	SYK	spleen tyrosine kinase
7006	NM_003215	TEC	tec protein tyrosine kinase
7010	NM_000459	TEK	TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal)
7075	NM_005424	TIE1	tyrosine kinase with immunoglobulin-like and EGF-like domains 1
8711	NM_003985	TNK1	tyrosine kinase, non-receptor, 1
10188	NM_005781	TNK2	tyrosine kinase, non-receptor, 2
51086	NM_015978	TNNI3K	TNNI3 interacting kinase
112858	NM_033550	TP53RK	TP53 regulating kinase
7294	NM_003328	TXK	TXK tyrosine kinase
7297	NM_003331	TYK2	tyrosine kinase 2
7301	NM_006293	TYRO3	TYRO3 protein tyrosine kinase
7525	NM_005433	YES1	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE YES (EC 2.7.1.112) (P61-YES) (C-YES)
7535	NM_001079	ZAP70	zeta-chain (TCR) associated protein kinase 70kDa
90	NM_001105	ACVR1	ACTIVIN RECEPTOR TYPE I PRECURSOR (EC 2.7.1.37) (ACTR-I) (SERINE/THREONINE-PROTEIN KINASE RECEPTOR R1) (SKR1) (ACTIVIN RECEPTOR-LIKE KINASE 2) (ALK-2) (TGF-B SUPERFAMILY RECEPTOR TYPE I) (TSR-I)
91	NM_004302	ACVR1B	SERINE/THREONINE-PROTEIN KINASE RECEPTOR R2 PRECURSOR (EC 2.7.1.37) (SKR2) (ACTIVIN RECEPTOR-LIKE KINASE 4) (ALK-4) (ACTR-IB)

92	NM_001616	ACVR2	ACTIVIN RECEPTOR TYPE II PRECURSOR (EC 2.7.1.37) (ACTR-II) (ACTRIIA)
93	NM_001106	ACVR2B	ACTIVIN RECEPTOR TYPE IIB PRECURSOR (EC 2.7.1.37) (ACTR-IIB)
94	NM_000020	ACVRL1	SERINE/THREONINE-PROTEIN KINASE RECEPTOR R3 PRECURSOR (EC 2.7.1.37) (SKR3) (ACTIVIN RECEPTOR-LIKE KINASE 1) (ALK-1) (TGF-B SUPERFAMILY RECEPTOR TYPE I) (TSR-I)
255239 369	NM_178510 NM_001654	ANKK1 ARAF	ankyrin repeat and kinase domain containing 1 v-raf murine sarcoma 3611 viral oncogene homolog
657	NM_004329	BMPR1A	BONE MORPHOGENETIC PROTEIN RECEPTOR TYPE IA PRECURSOR (EC 2.7.1.37) (SERINE/THREONINE-PROTEIN KINASE RECEPTOR R5) (SKR5) (ACTIVIN RECEPTOR-LIKE KINASE 3) (ALK-3)
658	NM_001203	BMPR1B	BONE MORPHOGENETIC PROTEIN RECEPTOR TYPE IB PRECURSOR (EC 2.7.1.37)
659	NM_001204	BMPR2	bone morphogenetic protein receptor, type II (serine/threonine kinase)
673	NM_004333	BRAF	B-RAF PROTO-ONCOGENE SERINE/THREONINE-PROTEIN KINASE (EC 2.7.1.-) (P94) (V-RAF MURINE SARCOMA VIRAL ONCOGENE HOMOLOG B1)
3611	NM_004517	ILK	integrin-linked kinase
3654	NM_001569	IRAK1	interleukin-1 receptor-associated kinase 1
134728	NM_001010844	IRAK1BP1	interleukin-1 receptor-associated kinase 1 binding protein 1
3656	NM_001570	IRAK2	interleukin-1 receptor-associated kinase 2
11213	NM_007199	IRAK3	interleukin-1 receptor-associated kinase 3
51135	NM_016123	IRAK4	interleukin-1 receptor-associated kinase 4
3702	NM_005546	ITK	IL2-inducible T-cell kinase
84451	NM_032435	KIAA1804	mixed lineage kinase 4
8844	XM_290793	KSR	kinase suppressor of ras
283455	NM_173598	KSR2	kinase suppressor of Ras-2
3984	NM_002314	LIMK1	LIM domain kinase 1
3985	NM_005569	LIMK2	LIM domain kinase 2
4294	NM_002446	MAP3K10	mitogen-activated protein kinase kinase kinase 10
4296	NM_002419	MAP3K11	mitogen-activated protein kinase kinase kinase 11
7786	NM_006301	MAP3K12	mitogen-activated protein kinase kinase kinase 12
9175	NM_004721	MAP3K13	mitogen-activated protein kinase kinase kinase 13
6885	NM_003188	MAP3K7	mitogen-activated protein kinase kinase kinase 7
5894	NM_002880	RAF1	RAF PROTO-ONCOGENE SERINE/THREONINE-PROTEIN KINASE (EC 2.7.1.-) (RAF-1) (C-RAF)
8737	NM_003804	RIPK1	receptor (TNFRSF)-interacting serine-threonine kinase 1
8767	NM_003821	RIPK2	receptor-interacting serine-threonine kinase 2
11035	NM_006871	RIPK3	receptor-interacting serine-threonine kinase 3
54101	NM_020639	RIPK4	receptor-interacting serine-threonine kinase 4
25778	NM_015375	RIPK5	receptor-interacting serine-threonine kinase 5
7016	NM_006285	TESK1	testis-specific kinase 1
10420	NM_007170	TESK2	testis-specific kinase 2
7046	NM_004612	TGFBR1	transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa)
7048	NM_003242	TGFBR2	TGF-BETA RECEPTOR TYPE II PRECURSOR (EC 2.7.1.37) (TGFR-2) (TGF-BETA TYPE II RECEPTOR)
51776	NM_016653	ZAK	sterile alpha motif and leucine zipper containing kinase AZK