

approved symbol	status	assay?	covered	HGNC ID	synonyms
AATK	kinase	no	n	HGNC:21	AATYK, KIAA0641, LMTK1, LMR1, AATYK1, PPP1R77
ACVR1C	kinase	yes	n	HGNC:18123	ALK7, ACVRLK7
ACVR2A	kinase	yes	n	HGNC:173	ACTRII, ACTR2
ACVR2B	kinase	yes	n	HGNC:174	ActR-IIB, ACTR2B
ADCK1	kinase	no	n	HGNC:19038	FLJ39600
ADCK2	kinase	no	n	HGNC:19039	MGC20727
ADCK5	kinase	no	n	HGNC:21738	FLJ35454
ALK	kinase	yes	n	HGNC:427	CD246
ALPK1	kinase	no	n	HGNC:20917	Lak, FLJ22670, KIAA1527, AlphaK3
ALPK2	kinase	no	n	HGNC:20565	HAK, AlphaK2
ALPK3	kinase	no	n	HGNC:17574	MAK, KIAA1330, Midori, AlphaK1
AMHR2	kinase	no	n	HGNC:465	MISR2, MISRII
ANKK1	kinase	yes	n	HGNC:21027	X-kinase, SgK288
BCKDK	kinase	no	n	HGNC:16902	BDK; BCKDKD
BCR	kinase	no	n	HGNC:1014	ALL; CML; PHL; BCR1; D22S11; D22S662
BMPR2	kinase	yes	n	HGNC:1078	BRK-3, T-ALK, BMPR3, BMPR-II
BUB1B	kinase	yes	n	HGNC:1149	BUBR1, MAD3L, Bub1A, SSK1
CAMK1D	kinase	yes	n	HGNC:19341	CKLiK; CaM-K1; CaMKID, CaMK1d
CAMK1G	kinase	yes	n	HGNC:14585	VWS1, CLICKIII, dJ272L16.1, CaMK1g
CAMK2A	kinase	yes	n	HGNC:1460	KIAA0968, CaMKIINalpha, CAMKA, CaMK2a
CAMK2B	kinase	yes	n	HGNC:1461	CAM2, CAMK2, CAMKB, CaMK2b
CAMK2D	kinase	yes	n	HGNC:1462	CAMKD, CaMK2d
CAMK4	kinase	yes	n	HGNC:1464	CaMK-GR,caMK; CaMK IV; CaMK4
CAMKV	pseudokinase	no	n	HGNC:28788	MGC8407, VACAMKL
CDK1	kinase	yes	n	HGNC:1722	CDC28A, CDC2, P34CDC2
CDK10	kinase	yes	n	HGNC:1770	PISSLRE
CDK11A	kinase	yes	n	HGNC:1730	CDC2L2; CDC2L3; p58GTA; PITSLRE; CDK11-p46; CDK11-p58; CDK11-p110
CDK11B	kinase	yes	n		p58; PK58; CDK11; CLK-1; CDC2L1; PITSLREA; p58CLK-1; CDK11-p46; CDK11-p58; p58CDC2L1; CDK11-p110
CDK14	kinase	yes	n	HGNC:8883	PFTAIRE1, PFTK1
CDK15	kinase	yes	n	HGNC:14434	PFTAIRE2, ALS2CR7, PFTK2
CDK16	kinase	yes	n	HGNC:8749	PCTAIRE, PCTAIRE1, PCTGAIRE, FLJ16665, PCTK1
CDK17	kinase	yes	n	HGNC:8750	PCTAIRE2, PCTK2
CDK18	kinase	yes	n	HGNC:8751	PCTAIRE3, PCTK3
CDK20	kinase	yes	n	HGNC:21420	p42, CCRK; CDCH; PNQALRE
CDK5	kinase	yes	n	HGNC:1774	PSSALRE
CDKL1	kinase	yes	n	HGNC:1781	KKIALRE, P42
CDKL3	kinase	yes	n	HGNC:15483	NKIAMRE
CDKL4	kinase	no	n	HGNC:19287	
CHUK	kinase	yes	n	HGNC:1974	IKK1, IKK-alpha, IkbKA, NFKBIKA, IKKA, IKBKA, TCF16, IKKa
COQ8A	kinase	yes	n	HGNC:16812	COQ8, SCAR9, ADCK3; ARCA2; CAB1; COQ10D4
COQ8B	kinase	yes	n	HGNC:19041	FLJ12229, COQ8, ADCK4, NPHS9
CSK	kinase	yes	n	HGNC:2444	
CSNK1A1L	kinase	yes	n	HGNC:20289	MGC33182, CK1a2, CK1 alpha 1L
CSNK1G1	kinase	yes	n	HGNC:2454	CK1gamma1, CK1g1
CSNK1G2	kinase	yes	n	HGNC:2455	CK1g2
CSNK1G3	kinase	yes	n	HGNC:2456	CKI-gamma 3L, CSNK1G3, CK1g3
DCLK1	kinase	yes	n	HGNC:2700	KIAA0369, DCLK, DCDC3A, CL1, CLICK1, DCAMKL1
DMPK	kinase	yes	n	HGNC:2933	DMK, DM1PK, MDPK, MT-PK, DM, DM1, DMPK1 KIAA0472, DustyPK, CAKUT1, HDCMD38P, RIP5, RIPK5,
DSTYK	kinase	yes	n	HGNC:29043	SgK496
DYRK4	kinase	yes	n	HGNC:3095	
EEF2K	kinase	yes	n	HGNC:24615	eEF-2K, HSU93850
EIF2AK1	kinase	yes	n	HGNC:24921	HRI, KIAA1369, HCR
EIF2AK2	kinase	yes	n	HGNC:9437	PKR, EIF2AK1, PPP1R83, PRKR

EPHA1	kinase	yes	n	HGNC:3385	EPH, EPHT, EPHT1
EPHA10	pseudokinase	no	n	HGNC:19987	FLJ16103, FLJ33655, EphA10
EPHA3	kinase	yes	n	HGNC:3387	EK4, ETK, ETK1, HEK, HEK4, TYRO4
EPHA4	kinase	yes	n	HGNC:3388	SEK; HEK8; TYRO1
EPHA5	kinase	yes	n	HGNC:3389	Hek7, TYRO4, CEK7, EHK1, Els1, Rek7, bsk
EPHA6	kinase	yes	n	HGNC:19296	FLJ35246, EHK-2, EHK2, EK12, EPA6, HEK12, PRO57066
EPHA7	kinase	yes	n	HGNC:3390	Hek11, EHK-3, EHK3, EK11, HEK11
EPHA8	kinase	yes	n	HGNC:3391	Hek3, EEK, EK3, HEK3
EPHB2	kinase	yes	n	HGNC:3393	Hek5, Tyro5, CAPB, DRT, EK5, EPHT3, ERK, PCBC
EPHB3	kinase	yes	n	HGNC:3394	EK2, ETK2, HEK2, TYRO6
ERN1	kinase	yes	n	HGNC:3449	IRE1; IRE1P; IRE1a; hIRE1p
ERN2	kinase	yes	n	HGNC:16942	IRE1-BETA, IRE1b, IRE2p, hIRE2p, IRE2
FASTK	kinase	yes	n	HGNC:24676	FAST
FER	kinase	yes	n	HGNC:3655	PPP1R74, TYK3, p94-Fer
FRK	kinase	yes	n	HGNC:3955	RAK, GTK, PTK5
GRK1	kinase	yes	n	HGNC:10013	GPRK1, RHOK, RK
GRK2	kinase	yes	n	HGNC:289	ADRBK1, BARK1, BETA-ARK1
GRK3	kinase	yes	n	HGNC:290	ADRBK2, BARK2
GRK4	kinase	yes	n	HGNC:4543	GPRK2L, GPRK4a, IT11, GRK4, GPRK4
GRK5	kinase	yes	n	HGNC:4544	GPRK5
GRK6	kinase	yes	n	HGNC:4545	GPRK6
GRK7	kinase	yes	n	HGNC:17031	GPRK7
GUCY2C	pseudokinase	no	n	HGNC:4688	DIAR6, GUC2C, MECIL, MUCIL, STAR, HSER CORD5, CORD6, CYGD, GUC1A4, GUC2D, LCA, LCA1, RCD2,
GUCY2D	pseudokinase	no	n	HGNC:4689	RETGC-1, ROS-GC1, ROSGC, retGC
GUCY2F	pseudokinase	no	n	HGNC:4691	CYGF, GC-F, GUC2DL, GUC2F, RETGC-2, ROS-GC2
HCK	kinase	yes	n	HGNC:4840	JTK9, p59Hck, p61Hck
HUNK	kinase	yes	n	HGNC:13326	
ILK	pseudokinase	no	n	HGNC:6040	HEL-S-28-1, ILK-2, P59, p59ILK, ILK
IRAK2	pseudokinase	yes	n	HGNC:6113	IRAK-2
ITK	kinase	yes	n	HGNC:6171	EMT, PSCTK2, LYK, LPFS1
KALRN	kinase	no	n	HGNC:4814	duo, Hs.8004, TRAD, DUET, Kalirin, ARHGEF24, trad
KSR1	pseudokinase	yes	n	HGNC:6465	RSU2, KSR
KSR2	pseudokinase	yes	n	HGNC:18610	FLJ25965
LATS1	kinase	yes	n	HGNC:6514	WARTS, wts
LATS2	kinase	yes	n	HGNC:6515	KPM
LMTK2	kinase	no	n	HGNC:17880	KIAA1079, KPI2, KPI-2, cprk, LMR2, BREK, AATYK2, PPP1R100
LMTK3	kinase	no	n	HGNC:19295	KIAA1883, LMR3, TYKLM3, PPP1R101
LRRK1	kinase	no	n	HGNC:18608	FLJ23119, KIAA1790, Roco1, RIPK6
MAK	kinase	yes	n	HGNC:6816	dJ417M14.2, RP62
MAP2K3	kinase	yes	n	HGNC:6843	MAPKK3, MEK3, MKK3, PRKMK3, SAPKK-2, SAPKK2 JNKK, JNKK1, MAPKK4, MEK4, MKK4, PRKMK4, SAPKK-1,
MAP2K4	kinase	yes	n	HGNC:6844	SAPKK1, SEK1, SERK1, SKK1
MAP2K6	kinase	yes	n	HGNC:6846	MEK6, MKK6, SAPKK3, MAPKK6 JNKK2, MAPKK7, MEK, MEK 7, MKK7, PRKMK7, SAPKK-4,
MAP2K7	kinase	yes	n	HGNC:6847	SAPKK4
MAP3K10	kinase	yes	n	HGNC:6849	MST, MEKK10, MLK2
MAP3K11	kinase	yes	n	HGNC:6850	SPRK, MEKK11, MLK-3, MLK3, PTK1
MAP3K12	kinase	yes	n	HGNC:6851	MUK, DLK, ZPKP1, MEKK12
MAP3K13	kinase	yes	n	HGNC:6852	LZK, MEKK13, MLK
MAP3K15	kinase	yes	n	HGNC:31689	bA723P2.3, FLJ16518, ASK3, MAP3K7
MAP3K2	kinase	yes	n	HGNC:6854	MEKK2B, MEKK2
MAP3K21	kinase	yes	n	HGNC:29798	MLK4; KIAA1804; dJ862P8.3
MAP3K3	kinase	yes	n	HGNC:6855	MAPKKK3, MEKK3
MAP3K4	kinase	yes	n	HGNC:6856	MTK1, MAPKKK4, KIAA0213, MEKK4
MAP3K6	kinase	yes	n	HGNC:6858	MAPKKK6, ASK2, MEKK6

MAP3K8	kinase	yes	n	HGNC:6860	AURA2, COT, EST, ESTF, MEKK8, TPL2, Tpl-2, c-COT
MAP4K1	kinase	yes	n	HGNC:6863	HPK1
MAP4K5	kinase	yes	n	HGNC:6867	KHS1, GCKR, KHS, MAPKKKK5
MAPK4	kinase	yes	n	HGNC:6878	Erk3-related, Erk4, ERK-4, ERK4, PRKM4, p63-MAPK, p63MAPK
MARK1	kinase	yes	n	HGNC:6896	MARK, PAR-1C, Par-1c, Par1c
MARK3	kinase	yes	n	HGNC:6897	CTAK1, KP78, PAR-1A, PAR1A, Par-1a
MARK4	kinase	yes	n	HGNC:13538	Nbla00650, FLJ90097, KIAA1860, PAR-1D, MARK4LS, MARKL1, MARKL1L
MAST1	kinase	yes	n	HGNC:19034	SAST, KIAA0973, SAST170
MAST2	kinase	no	n	HGNC:19035	MAST205, KIAA0807, MTSSK
MAST3	kinase	no	n	HGNC:19036	KIAA0561
MAST4	kinase	no	n	HGNC:19037	KIAA0303
MASTL	kinase	no	n	HGNC:19042	FLJ14813, THC2, Gwl, GREATWALL, GW, GWL, MAST-L, HYLTK, CTK, HYL, Lsk, CHK, HHYLTK, DKFZp434N1212,
MATK	kinase	yes	n	HGNC:6906	MGC1708, MGC2101
MKNK1	kinase	yes	n	HGNC:7110	MNK1
MKNK2	kinase	yes	n	HGNC:7111	MNK2, GRPK7
MLKL	pseudokinase	yes	n	HGNC:26617	FLJ34389, hMLKL
MOK	kinase	yes	n	HGNC:9833	RAGE1, STK30, RAGE, RAGE-1
MOS	kinase	yes	n	HGNC:7199	MSV
MST1R	kinase	yes	n	HGNC:7381	CDw136, CD136, NPCA3, PTK8, RON
MYLK3	kinase	yes	n	HGNC:29826	MLCK; MLCK2; caMLCK
MYO3A	kinase	yes	n	HGNC:7601	DFNB30
MYO3B	kinase	yes	n	HGNC:15576	
NEK1	kinase	yes	n	HGNC:7744	NY-REN-55, KIAA1901, SRPS2, SRPS2A, SRTD6
NEK11	kinase	yes	n	HGNC:18593	FLJ23495
NEK3	kinase	yes	n	HGNC:7746	HSPK36, MGC29949
NEK4	kinase	yes	n	HGNC:11399	NRK2, pp12301, STK2
NEK5	kinase	yes	n	HGNC:7748	
NEK7	kinase	yes	n	HGNC:13386	
NEK8	kinase	yes	n	HGNC:13387	NPHP9, JCK, NEK12A, RHPD2
NIM1K	kinase	yes	n	HGNC:28646	MGC42105, NIM1
NPR1	pseudokinase	no	n	HGNC:7943	GUCY2A, ANPa, A1893888, GC-A, NPR-A, NPRA, Pndr, GUCY2B, ANPb, AMDM, ANPRB, ECDM, GUC2B, NPRB,
NPR2	pseudokinase	no	n	HGNC:7944	NPRBi, SNSK
NRBP1	pseudokinase	no	n	HGNC:7993	BCON3, MUDPNP, MADM, NRBP
NRBP2	pseudokinase	no	n	HGNC:19339	DKFZp434P086, TRG16, pp9320
NRK	kinase	no	n	HGNC:25391	DKFZp686A17109, NESK, NRK/ZC4
OBSCN	kinase	no	n	HGNC:15719	KIAA1556, UNC89, KIAA1639, ARHGEF30
OXSR1	kinase	yes	n	HGNC:8508	OSR1
PASK	kinase	yes	n	HGNC:17270	PASKIN, KIAA0135, STK37
PBK	kinase	yes	n	HGNC:18282	TOPK, FLJ14385, Nori-3, SPK, CT84, HEL164
PDIK1L	kinase	no	n	HGNC:18981	CLIK1L, STK35L2
PEAK1	pseudokinase	yes	n	HGNC:29431	KIAA2002, sgk269, SGK269
PHKG2	kinase	yes	n	HGNC:8931	GSD9C
PINK1	kinase	yes	n	HGNC:14581	BRPK, PARK6
PKDCC	kinase	no	n	HGNC:25123	Sgk493, "vertebrate lonesome kinase", Vlk, SGK493
PKMYT1	kinase	yes	n	HGNC:29650	MYT1, PPP1R126
PKN1	kinase	yes	n	HGNC:9405	DBK, PRK1, PKN, MGC46204, PAK1, PAK-1, PKN-ALPHA, PRKCL1
PKN3	kinase	yes	n	HGNC:17999	PKNbeta, UTDP4-1
PNCK	kinase	yes	n	HGNC:13415	MGC45419, CaMK1b, BSTK3
POMK	pseudokinase	no	n	HGNC:26267	FLJ23356, Sgk196, MDDGA12, MDDGC12, SGK196
PRAG1	pseudokinase	no	n	HGNC:157285	NACK, PEAK2, PRAGMIN, SGK223, Sgk223
PRKAA1	kinase	yes	n	HGNC:9376	AMPKa1, AMPK-alpha1, AI194361, AI450832, AL024255, AMPKalpha1, C130083N04Rik

PRKACA	kinase	yes	n	HGNC:9380	PKACa, PKACA, PPNAD4
PRKACB	kinase	yes	n	HGNC:9381	PKACb, PKA C-beta, PKACB
PRKACG	kinase	yes	n	HGNC:9382	PKACg, BDPLT19, KAPG
PRKCI	kinase	yes	n	HGNC:9404	PKCI, DXS1179E, nPKC-iota, PKCi
PRKCZ	kinase	yes	n	HGNC:9412	PKC2, PKC-ZETA, PKCz
PRKDC	kinase	yes	n	HGNC:9413	DNPK1, p350, DNAPK, XRCC7, DNA-PKcs, HYRC, HYRC1, IMD26
PRKG1	kinase	yes	n	HGNC:9414	PGK, PKG, AAT8, PKGB, PRKGR1B, cGK, cGK 1, cGK1, cGKI, cGKI-BETA, cGKI-alpha, PKG1
PRKY	kinase	no	n	HGNC:9444	PRKYP, PRKXP3, PRKY, PRKXP3P
PRPF4B	kinase	yes	n	HGNC:17346	PR4H; PRP4; PRP4H; PRP4K; dj1013A10.1
PSKH1	kinase	no	n	HGNC:9529	
PSKH2	pseudokinase	no	n	HGNC:18997	
PTK7	pseudokinase	no	n	HGNC:9618	CCK4, CCK-4
PXK	pseudokinase	no	n	HGNC:23326	FLJ20335, MONaKa, Slob
RIOK1	kinase	yes	n	HGNC:18656	AD034, FLJ30006, bA288G3.1, RRP10
RIOK3	kinase	yes	n	HGNC:11451	SUDD
RIPK1	kinase	yes	n	HGNC:10019	RIP, RIP-1, RIP1
RIPK3	kinase	yes	n	HGNC:10021	RIP3, Rip3
RIPK4	kinase	yes	n	HGNC:496	DIK, ANKK2, RIP4, PKK, ANKRD3, NKRD3, PPS2
RNASEL	kinase	no	n	HGNC:10050	PRCA1, RNS4
ROR1	kinase	yes	n	HGNC:10256	NTRKR1, dj537F10.1
ROR2	kinase	yes	n	HGNC:10257	BDB, BDB1, NTRKR2
ROS1	kinase	yes	n	HGNC:10261	MCF3, ROS, c-ros-1
RPS6KC1	pseudokinase	no	n	HGNC:10439	humS6PKh1, RPK118, RSKL1, S6K-delta-1, S6PKh1
RPS6KL1	pseudokinase	no	n	HGNC:20222	MGC11287, RSKL2
RYK	kinase	no	n	HGNC:10481	D3S3195, RYK1, JTK5, JTK5A1, RYK
SBK2	kinase	no	n	HGNC:34416	SGK069
SBK3	kinase	yes	n	HGNC:44121	SGK110
SCYL1	pseudokinase	no	n	HGNC:14372	HT019, P105, GKLP, NKTL, TAPK, TRAP, TEIF, MGC78454, NTKL, SCAR21
SCYL2	pseudokinase	no	n	HGNC:19286	KIAA1360, CVAK104
SCYL3	pseudokinase	no	n	HGNC:19285	PACE-1, PACE1
SGK2	kinase	yes	n	HGNC:13900	H-SGK2, dj138B7.2
SGK3	kinase	yes	n	HGNC:10812	CISK, SGK2, SGKL
SGK494	kinase	no	n	HPRD:08680	gene bank Acc. No. NM_144610
SIK1	kinase	yes	n	HGNC:11142	MSK; SIK; SIK-1; SNF1LK
SIK3	kinase	yes	n	HGNC:29165	FLJ12240, L19, KIAA0999, QSK, SIK, SIK-3
SMG1	kinase	no	n	MIM:607032	ATX; LIP; 61E3.4
SNRK	kinase	yes	n	HGNC:30598	FLJ20224, HSNFRK, KIAA0096
SPEG	kinase	no	n	HGNC:16901	BPEG; CNM5; APEG1; APEG-1; SPEGbeta; SPEGalpha
SRMS	kinase	yes	n	HGNC:11298	SRM, dj697K14.1, PTK70, C20orf148
SRPK1	kinase	yes	n	HGNC:11305	SFRSK1
SRPK2	kinase	yes	n	HGNC:11306	SFRSK2
SRPK3	kinase	yes	n	HGNC:11402	MSSK1, MSSK-1, STK23
STK11	kinase	yes	n	HGNC:11389	PJS, LKB1, hLKB1
STK19	kinase	yes	n	HGNC:11398	G11; RP1; D6S60; D6S60E; HLA-RP1
STK3	kinase	yes	n	HGNC:11406	MST2, KRS1
STK31	pseudokinase	no	n	HGNC:11407	TDRD8, SgK396, SGK396
STK32A	kinase	yes	n	HGNC:28317	MGC22688, YANK1
STK32B	kinase	yes	n	HGNC:14217	STKG6, YANK2, STK32, HSA250839
STK32C	kinase	yes	n	HGNC:21332	PKE, MGC23665, YANK3
STK38	kinase	yes	n	HGNC:17847	NDR, NDR1
STK38L	kinase	yes	n	HGNC:17848	KIAA0965, NDR2
STK39	kinase	yes	n	HGNC:17717	DCHT, SPAK, PASK, STLK3
STK4	kinase	yes	n	HGNC:11408	MST1, KRS2, YSK3
STK40	pseudokinase	no	n	HGNC:21373	MGC4796, SgK495, SHIK

STKLD1	pseudokinase	no	n	HGNC:28669	MGC43306, SGK071, C9orf96, SgK071, Sk521
STRADA	pseudokinase	no	n	HGNC:30172	LYK5; PMSE; Stlk; STRAD; NY-BR-96; STRAD alpha, STLK5 STRAD beta; CALS-21, PAPK, ILPIPA, ILPIP, ALS2CR2,
STRADB	pseudokinase	no	n	HGNC:13205	PRO1038, STLK6
STYK1	pseudokinase	no	n	HGNC:18889	SuRTK106, DKFZp761P1010, NOK OF; XDP; BA2R; CCG1; CCGS; DYT3; KAT4; P250; NSCL2; TAF2A; MRXS33; N-TAF1; TAFII250; DYT3/TAF1; TAFII-250;
TAF1	kinase	no	n	HGNC:11535	TAF(II)250 KIAA1361, MARKK, PSK2, MAP3K16, FLJ14314, TAO1, KFC-B,
TAOK1	kinase	yes	n	HGNC:29259	PSK-2, hKFC-B, hTAOK1
TAOK2	kinase	yes	n	HGNC:16835	KIAA0881, PSK, PSK1, TAO2, MAP3K17, PSK1-BETA
TAOK3	kinase	yes	n	HGNC:18133	JIK, DPK, MAP3K18, hKFC-A, TAO3
TBCK	pseudokinase	no	n	HGNC:28261	HSPC302, MGC16169, IHPRF3L
TEC	kinase	yes	n	HGNC:11719	PSCTK4
TESK1	kinase	yes	n	HGNC:11731	
TESK2	kinase	yes	n	HGNC:11732	
TEX14	pseudokinase	no	n	HGNC:11737	CT113, SgK307
TGFBR2	kinase	yes	n	HGNC:11773	JTK14, AAT3, FAA3, LDS1B, LDS2, LDS2B, MFS2, RIIC, TAAD2,
TIE1	kinase	yes	n	HGNC:11809	TGFR-2, TGFbeta-RII, TIE
TLK1	kinase	yes	n	HGNC:11841	KIAA0137, PKU-BETA
TLK2	kinase	yes	n	HGNC:11842	PKU-ALPHA, MGC44450, HsHPK PRPK, dJ101A2.2, prpk, Nori-2p, BUD32, C20orf64, Nori-2,
TP53RK	kinase	no	n	HGNC:16197	PRPKdj101A2
TRIB1	pseudokinase	no	n	HGNC:16891	C8FW, GIG2, TRB1, GIG-2, SKIP1, TRB-1
TRIB2	pseudokinase	no	n	HGNC:30809	TRB2, GS3955, C5FW
TRIB3	pseudokinase	no	n	HGNC:16228	dJ1103G7.3, TRB3, C20orf97, NIPK, SINK, SKIP3
TRIO	kinase	yes	n	HGNC:12303	ARHGEF23, MEBAS, MRD44, tgat
TRPM6	kinase	yes	n	HGNC:17995	CHAK2, FLJ22628, HMGX, HOMG, HOMG1, HSH
TRPM7	kinase	yes	n	HGNC:17994	CHAK1, LTRPC7, TRP-PLIK, CHAK, ALSPDC, LTrpC-7
TRRAP	pseudokinase	no	n	HGNC:12347	TR-AP, PAF400, Tra1, PAF350/400, STAF40
TSSK3	kinase	yes	n	HGNC:15473	SPOGA3, STK22C, STK22D, TSK3
TSSK4	kinase	yes	n	HGNC:19825	C14orf20, STK22E, TSK-4, TSK4, TSSK5
TSSK6	kinase	yes	n	HGNC:30410	SSTK, FLJ24002, CT72, FKSG82, TSSK4
TTBK1	kinase	yes	n	HGNC:19140	KIAA1855, BDTK
TTBK2	kinase	yes	n	HGNC:19141	KIAA0847, SCA11, TTBK CMPD4, FLJ32040, TMD, CMH9, LGMD2J, MYLK5, CMD1G
TTN	kinase	no	n	HGNC:12403	EOMFC, HMERF
TXK	kinase	yes	n	HGNC:12434	TKL, PSCTK5, BTKL, RLK, PTK4, Rik
TYRO3	kinase	yes	n	HGNC:12446	BYK; Dtk; RSE; Rek; Sky; Tif; Etk-2
UHMK1	kinase	no	n	HGNC:19683	KIS, Kist, KIST, P-CIP2
ULK3	kinase	yes	n	HGNC:19703	DKFZP434C131, FLJ90566
ULK4	pseudokinase	no	n	HGNC:15784	FLJ20574, REC01035, FAM7C1
VRK1	kinase	yes	n	HGNC:12718	PCH1, PCH1A
VRK2	kinase	yes	n	HGNC:12719	
VRK3	pseudokinase	no	n	HGNC:18996	
WEE2	kinase	yes	n	HGNC:19684	WEE1B
					gene bank
					Acc. No
STK424	pseudokinase	no	n	XM_375602	

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