Gene Symbol	Accession	Alias/Prev Symbol	Official Full Name	
ACO1	NM_002197.2	IREB1, IRP1, IREBP	aconitase 1, soluble	
ACO1	NM_002197.2	IREB1, IRP1, IREBP	aconitase 1, soluble	
ACO2	NM_001098.2		aconitase 2, mitochondrial	
AKT1	NM_005163.2		v-akt murine thymoma viral oncogene homolog 1	
AKT2	NM_001626.2		v-akt murine thymoma viral oncogene homolog 2	
AKT3	NM_005465.4		v-akt murine thymoma viral oncogene homolog 3	
ALDOA	NM_184041.2		aldolase A, fructose-bisphosphate	
ALDOB	NM_000035.3		aldolase B, fructose-bisphosphate	
ALDOC	NM_005165.2		aldolase C, fructose-bisphosphate	
ARNT	NM_178426.1		aryl hydrocarbon receptor nuclear translocator	
BECN1	NM_003766.2		beclin 1, autophagy related	
BPGM	NM_199186.1		2,3-bisphosphoglycerate mutase	
CAD	NM_004341.3		carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	
CS	NM_004077.2		citrate synthase	
DLAT	NM_001931.4	DLTA, PDC-E2	dihydrolipoamide S-acetyltransferase	
DLD	NM_000108.3	LAD, GCSL, DLDH	dihydrolipoamide dehydrogenase	
DLST	NM_001933.4		dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)	
EGF	NM_001963.4		epidermal growth factor	
EGFR	NM_201282.1	ERBB, ERBB1	epidermal growth factor receptor	
EGLN1	NM_022051.1	C1orf12, SM-20, PHD2, ZMYND6, HIFPH2	egl-9 family hypoxia-inducible factor 1	
EGLN2	NM_053046.3		egl-9 family hypoxia-inducible factor 2	
EGLN3	NM_022073.3		egl-9 family hypoxia-inducible factor 3	
EIF2AK3	NM_004836.5		eukaryotic translation initiation factor 2-alpha kinase 3	
EIF2B4	NM_172195.3		eukaryotic translation initiation factor 2B, subunit 4 delta, 67kDa	
EIF4E2	NM_004846.3	EIF4EL3, IF4e, 4EHP	eukaryotic translation initiation factor 4E family member 2	
EIF4EBP1	NM_004095.3		eukaryotic translation initiation factor 4E binding protein 1	
ENO1	NM_001428.2	ENO1L1, MPB1, PPH, MBP-1	enolase 1, (alpha)	
ENO2	NM_001975.2		enolase 2 (gamma, neuronal)	
ENO3	NM_001976.4		enolase 3 (beta, muscle)	
EPAS1	NM_001430.3		endothelial PAS domain protein 1	
ERBB2	NM_001005862.1	NGL, NEU, HER-2, CD340, HER2	v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2	
FASN	NM_004104.4		fatty acid synthase	
FBP1	NM_000507.3		fructose-1,6-bisphosphatase 1	
FGFR1	NM_015850.2	FLT2, KAL2, H2, H3, H4, H5, CEK, FLG, BFGFR, N-SAM, C	fibroblast growth factor receptor 1	
FGFR2	NM_000141.4	KGFR, BEK, CFD1, JWS, CEK3, TK14, TK25, ECT1, K-SAM,	fibroblast growth factor receptor 2	
FGFR3	NM_022965.2	ACH, CEK2, JTK4, CD333	fibroblast growth factor receptor 3	
FH	NM_000143.2		fumarate hydratase	
FLT3	NM_004119.1		fms-related tyrosine kinase 3	
FOXO3	NM_001455.2	FKHRL1, FOXO3A, AF6q21, FOXO2	forkhead box O3	
G6PC	NM_000151.2	G6PT, GSD1a	glucose-6-phosphatase, catalytic subunit	
G6PC3	NR_028582.1		glucose 6 phosphatase, catalytic, 3	
G6PD	NM_000402.2		glucose-6-phosphate dehydrogenase	
GALM	NM_138801.2		galactose mutarotase (aldose 1-epimerase)	
GBE1	NM_000158.3		glucan (1,4-alpha-), branching enzyme 1	
GCK	NM_000162.3	MODY2, HK4	glucokinase (hexokinase 4)	
GLS	NM_014905.3		glutaminase	
GLS2	NM_013267.2		glutaminase 2 (liver, mitochondrial)	
GPI	NM_000175.2		glucose-6-phosphate isomerase	
GSK3A	NM_019884.2		glycogen synthase kinase 3 alpha	
GYS1	NM_002103.4	GYS, GSY	glycogen synthase 1 (muscle)	
H6PD	NM_004285.3		hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	
HIF1A	NM_001530.2		hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	
HK1	NM_000188.2		hexokinase 1	
HK2	NM_000189.4		hexokinase 2	
HK3	NM_002115.1		hexokinase 3 (white cell)	
HKDC1	NM_025130.3		hexokinase domain containing 1	
HRAS	NM_005343.2		Harvey rat sarcoma viral oncogene homolog	
IDH1	NM_005896.2		isocitrate dehydrogenase 1 (NADP+), soluble	
IDH2	NM_002168.2		isocitrate dehydrogenase 2 (NADP+), mitochondrial	
IDH3A	NM_005530.2		isocitrate dehydrogenase 3 (NAD+) alpha	
IDH3B	NM_001258384.1		isocitrate dehydrogenase 3 (NAD+) beta	
IDH3G	NM_004135.2		isocitrate dehydrogenase 3 (NAD+) gamma	
IKBKB	NM_001556.1		inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	
JUN	NM_002228.3		jun proto-oncogene	
KIT	NM_000222.2	PBT, CD117, SCFR, C-Kit	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	
KRAS	NM_004985.3	KRAS2, KRAS1	Kirsten rat sarcoma viral oncogene homolog	
LDHA	NM_001165414.1		lactate dehydrogenase A	
LDHB	NM_001174097.1		lactate dehydrogenase B	
MAP2K1	NM_002755.2	PRKMK1, MEK1, MAPKK1	mitogen-activated protein kinase kinase 1	
MAP2K2	NM_030662.2	PRKMK2, MEK2	mitogen-activated protein kinase kinase 2	
MAPK1	NM_138957.2	PRKM2, PRKM1, ERK, ERK2, p41mapk, MAPK2	mitogen-activated protein kinase 1	
MAPK3	NM_001040056.1	PRKM3, ERK1, p44mapk, p44erk1	mitogen-activated protein kinase 3	
MAPKAP1	NM_001006617.1		mitogen-activated protein kinase associated protein 1	
MDH1	NM_005917.3		malate dehydrogenase 1, NAD (soluble)	
MDH1B	NM_001039845.2		malate dehydrogenase 1B, NAD (soluble)	
MDH2	NM_005918.3		malate dehydrogenase 2, NAD (mitochondrial)	
MET	NM_001127500.1		met proto-oncogene	
MLST8	NM_001199173.1		MTOR associated protein, LST8 homolog (S. cerevisiae)	
MTOR	NM_004958.2	FRAP, FRAP2, FRAP1, RAFT1, RAPT1, FLJ44809	mechanistic target of rapamycin (serine/threonine kinase)	
MYC	NM_002467.3		v-myc avian myelocytomatosis viral oncogene homolog	
NOX1	NM_007052.4		NADPH oxidase 1	
NOX3	NM_015718.2		NADPH oxidase 3	
NOX4	NR_026571.1		NADPH oxidase 4	
NOX5	NM_024505.2		NADPH oxidase, EF-hand calcium binding domain 5	
NOXA1	NM_006647.1	SDCCAG31, NY-CO-31, FLJ25475	NADPH oxidase activator 1	
NOXO1	NM_001267721.1		NADPH oxidase organizer 1	
NRAS	NM_002524.3		neuroblastoma RAS viral (v-ras) oncogene homolog	
NTRK1	NM_001012331.1		neurotrophic tyrosine kinase, receptor, type 1	
NTRK3	NM_001007156.1		neurotrophic tyrosine kinase, receptor, type 3	
OAZ2	NM_002537.2		ornithine decarboxylase antizyme 2	
OAZ3	NM_016178.2		ornithine decarboxylase antizyme 3	

ODC1	NM_002539.1		ornithine decarboxylase 1	
OGDH	NM_001003941.2		oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	
PDGFA	NM_002607.5		platelet-derived growth factor alpha polypeptide	
PDGFC	NM_016205.2		platelet derived growth factor C	
PDGFRA	NM_006206.3		platelet-derived growth factor receptor, alpha polypeptide	
PDGFRB	NM_002609.3	PDGFR, JTK12, CD140b, PDGFR1	platelet-derived growth factor receptor, beta polypeptide	
PDHA1	NM_000284.3		pyruvate dehydrogenase (lipoamide) alpha 1	
PDHA2	NM_005390.4		pyruvate dehydrogenase (lipoamide) alpha 2	
PDHB	NM_000925.3		pyruvate dehydrogenase (lipoamide) beta	
PDK1	NM_002610.3		pyruvate dehydrogenase kinase, isozyme 1	
PDK2	NM_002611.3		pyruvate dehydrogenase kinase, isozyme 2	
PDK3	NM_005391.1		pyruvate dehydrogenase kinase, isozyme 3	
PDK4	NM_002612.3		pyruvate dehydrogenase kinase, isozyme 4	
PDP1	NM_001161778.1	PPM2C, PDP, PDH	pyruvate dehyrogenase phosphatase catalytic subunit 1	
PDP2	NM_020786.2		pyruvate dehyrogenase phosphatase catalytic subunit 2	
PDPR	NM_017990.3		pyruvate dehydrogenase phosphatase regulatory subunit	
PFKL	NM_001002021.1		phosphofructokinase, liver	
PFKM	NM_000289.5	PFKX, PFK-1	phosphofructokinase, muscle	
PFKP	NM_002627.3		phosphofructokinase, platelet	
PGAM1	NM_002629.2	PGAMA, PGAM-B	phosphoglycerate mutase 1 (brain)	
PGAM2	NM_000290.3		phosphoglycerate mutase 2 (muscle)	
PGK1	NM_000291.2		phosphoglycerate kinase 1	
PGLS	NM_012088.2		6-phosphogluconolactonase	
PIK3CA	NM_006218.2		phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha	
PIK3CB	NM_006219.1		phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit beta	
PIK3CD	NM_005026.3		phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit delta	
PKLR	NM_000298.5		pyruvate kinase, liver and RBC	
PKM	NM_182471.1	PKM2, THBP1, OIP3, PK3	pyruvate kinase, muscle	
PLCG1	NM_002660.2	PLC1, PLC148, PLC-II, PLCgamma1, NCKAP3	phospholipase C, gamma 1	
PLD1	NM_002662.3		phospholipase D1, phosphatidylcholine-specific	
PLD2	NM_002663.4		phospholipase D2	
PPARGC1A	NM_013261.3	PPARGC1, PGC1, PGC1A	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	
PRKAA1	NM_006251.5		protein kinase, AMP-activated, alpha 1 catalytic subunit	
PRKAA2	NM_006252.2	PRKAA, AMPK, AMPKa2	protein kinase, AMP-activated, alpha 2 catalytic subunit	
PRKAB1	NM_006253.4		protein kinase, AMP-activated, beta 1 non-catalytic subunit	
PRKAB2	NM_005399.3		protein kinase, AMP-activated, beta 2 non-catalytic subunit	
PRKCB	NM_212535.1		protein kinase C, beta	
PRKCG	NM_002739.3	PKCG, SCA14, PKCC, MGC57564	protein kinase C, gamma	
PRPS1	NM_002764.3	DFN2, CMTX5, DFNX1	phosphoribosyl pyrophosphate synthetase 1	
PRPS2	NM_001039091.1		phosphoribosyl pyrophosphate synthetase 2	
PTEN	NM_000314.4	BZS, MHAM, MMAC1, TEP1, PTEN1	phosphatase and tensin homolog	
RAC1	NM_198829.1		ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	
RAC2	NM_002872.3		ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	
RAF1	NM_002880.3		v-raf-1 murine leukemia viral oncogene homolog 1	
RBKS	NM_022128.2		ribokinase	
RET	NM_020630.4	HSCR1, MEN2A, MTC1, MEN2B, PTC, CDHF12, RET51, CDI	ret proto-oncogene	
RICTOR	NM_152756.3		RPTOR independent companion of MTOR, complex 2	
ROS1	NM_002944.2		c-ros oncogene 1 , receptor tyrosine kinase	
RPE	NM_006916.1		ribulose-5-phosphate-3-epimerase	
RPIA	NM_144563.2		ribose 5-phosphate isomerase A	
RPS6KB1	NM_003161.2	STK14A, S6K1, p70(S6K)-alpha, PS6K	ribosomal protein S6 kinase, 70kDa, polypeptide 1	
RPS6KB2	NM_003952.2		ribosomal protein S6 kinase, 70kDa, polypeptide 2	
RPTOR	NM_020761.2		regulatory associated protein of MTOR, complex 1	
SCO2	NM_005138.2		SCO2 cytochrome c oxidase assembly protein	
SDHA	NM_004168.1	SDH2, FP, SDHF	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	
SDHB	NM_003000.2		succinate dehydrogenase complex, subunit B, iron sulfur (Ip)	
SDHC	NM_001035513.1		succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa	
SDHD	NM_003002.1		succinate dehydrogenase complex, subunit D, integral membrane protein	
SHMT1	NM_148918.1		serine hydroxymethyltransferase 1 (soluble)	
SIRT3	NM_012239.5		sirtuin 3	
SIRT6	NM_001193285.1		sirtuin 6	
SLC16A1	NM_003051.3		solute carrier family 16 (monocarboxylate transporter), member 1	
SLC16A3	NM_004207.2		solute carrier family 16 (monocarboxylate transporter), member 3	
SLC1A5	NM_001145144.1	RDRC, M7V1, AAAT, ASCT2	solute carrier family 1 (neutral amino acid transporter), member 5	
SLC25A1	NM_005984.2	SLC20A3, CTP	solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1	
SLC2A1	NM_006516.2	GLUT1, GLUT, HTLVR, DYT18	solute carrier family 2 (facilitated glucose transporter), member 1	
SLC2A2	NM_000340.1		solute carrier family 2 (facilitated glucose transporter), member 2	
SLC2A3	NM_006931.2		solute carrier family 2 (facilitated glucose transporter), member 3	
SLC2A4	NM_001042.2		solute carrier family 2 (facilitated glucose transporter), member 4	
SLC38A2	NM_018976.4		solute carrier family 38, member 2	
SLC44A4	NM_032794.1	C6orf29, NG22, CTL4, FLJ14491	solute carrier family 44, member 4	
SLC5A1	NM_000343.3	SGLT1, D22S675, NAGT	solute carrier family 5 (sodium/glucose cotransporter), member 1	
SLC5A2	NM_003041.3		solute carrier family 5 (sodium/glucose cotransporter), member 2	
SLC7A11	NM_014331.3		solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11	
SLC7A5	NM_003486.5		solute carrier family 7 (amino acid transporter light chain, L system), member 5	
SP1	NM_003109.1		Sp1 transcription factor	
SUCLA2	NM_003850.2		succinate-CoA ligase, ADP-forming, beta subunit	
SUCLG1	NM_003849.3		succinate-CoA ligase, alpha subunit	
SUCLG2	NM_001177599.1		succinate-CoA ligase, GDP-forming, beta subunit	
TALDO1	NM_006755.1		transaldolase 1	
TIGAR	NM_020375.2	FR2BP, C12orf5	TP53 induced glycolysis regulatory phosphatase	
TKT	NM_001064.2		transketolase	
TKTL2	NM_032136.4		transketolase-like 2	
TP53	NM_000546.2		tumor protein p53	
TPI1	NM_000365.4		triosephosphate isomerase 1	
TSC1	NM_000368.3	TSC, KIAA0243, LAM, hamartin	tuberous sclerosis 1	
TSC2	NM_000548.3	TSC4, tuberin, LAM	tuberous sclerosis 2	
VEGFA	NM_001025366.1	VEGF, VEGF-A, VPF	vascular endothelial growth factor A	
VHL	NM_000551.2		von Hippel-Lindau tumor suppressor, E3 ubiquitin protein ligase	
CC2D1B	NM_032449.2		coiled-coil and C2 domain containing 1B	
COG7	NM_153603.3		component of oligomeric golgi complex 7	
EDC3	NM_001142443.1	YJDC, LSM16, FLJ21128, hYjeF_N2-15q23, YJEFN2	enhancer of mRNA decapping 3	

GPATCH3	NM_022078.2	GPATC3, FLJ12455	G patch domain containing 3	
HDAC3	NM_003883.2		histone deacetylase 3	
MTMR14	NM_022485.3	C3orf29, FLJ22405, FLJ90311, hJumpy, hEDTP	myotubularin related protein 14	
NUBP1	NM_001278506.1	NBP1, NBP35	nucleotide binding protein 1	
PRPF38A	NM_032864.3		pre-mRNA processing factor 38A	
SAP130	NM_024545.3		Sin3A-associated protein, 130kDa	
SF3A3	NM_006802.2		splicing factor 3a, subunit 3, 60kDa	
TLK2	NM_006852.2		tousled-like kinase 2	
ZC3H14	NM_001160103.1		zinc finger CCCH-type containing 14	