

Gene Symbol	Accession	Alias/Prev Symbol	Official Full Name
A2M	NM_000014.4		alpha-2-macroglobulin
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
BAD	NM_004322.3		BCL2-associated agonist of cell death
BCL2	NM_000657.2		B-cell CLL/lymphoma 2
BCL2L1	NM_138578.1		BCL2-like 1
CBL	NM_005188.2	CBL2, RNF55, c-Cbl	Cbl proto-oncogene, E3 ubiquitin protein ligase
CBLC	NM_012116.3		Cbl proto-oncogene C, E3 ubiquitin protein ligase
CCL13	NM_005408.2	SCYA13, MCP-4, NCC-1, SCYL1, CKb10, MGC17134	chemokine (C-C motif) ligand 13
CCL16	NM_004590.2	SCYA16, NCC-4, SCYL4, LEC, HCC-4, LMC, LCC-1, CKb12, Mtn-1	chemokine (C-C motif) ligand 16
CCL2	NM_002982.3	SCYA2, MCP1, MCP-1, MCAF, SMC-CF, GDCF-2, HC11, MGC9434	chemokine (C-C motif) ligand 2
CCL3	NM_002983.2	SCYA3, GOS19-1, LD78ALPHA, MIP-1-alpha	chemokine (C-C motif) ligand 3
CCL4	NM_002984.2	LAG1, SCYA4, MIP-1-beta, Act-2, AT744.1	chemokine (C-C motif) ligand 4
CCL5	NM_002985.2	D17S136E, SCYA5, RANTES, SISd, TCP228, MGC17164	chemokine (C-C motif) ligand 5
CCL7	NM_006273.2	SCYA6, SCYA7, MCP-3, NC28, FIC, MARC, MCP3	chemokine (C-C motif) ligand 7
CCL8	NM_005623.2	SCYA8, MCP-2, HC14	chemokine (C-C motif) ligand 8
CCND1	NM_053056.2	BCL1, D11S287E, PRAD1, U21B31	cyclin D1
CCND2	NM_001759.2		cyclin D2
CCND3	NM_001760.2		cyclin D3
CCR1	NM_001295.2	SCYAR1, CMKBR1, CKR-1, MIP1aR, CD191	chemokine (C-C motif) receptor 1
CCR2	NM_001123041.2	CMKBR2, CC-CKR-2, CKR2, MCP-1-R, CD192, FLJ78302	chemokine (C-C motif) receptor 2
CCR3	NM_001837.2	CMKBR3, CC-CKR-3, CKR3, CD193	chemokine (C-C motif) receptor 3
CCR4	NM_005508.4		chemokine (C-C motif) receptor 4
CCR5	NM_000579.1	CMKBR5, CKR-5, CC-CKR-5, CKR5, CD195, IDDM22	chemokine (C-C motif) receptor 5 (gene/pseudogene)
CCR7	NM_001838.2	CMKBR7, EBI1, BLR2, CDw197, CD197	chemokine (C-C motif) receptor 7
CD70	NM_001252.2	CD27LG, TNFSF7, CD27L	CD70 molecule
CDKN1A	NM_000389.2	CDKN1, P21, CIP1, WAF1, SDI1, CAP20, p21CIP1, p21Cip1/Waf1	cyclin-dependent kinase inhibitor 1A (p21, Cip1)
CEBPD	NM_005195.3		CCAAT/enhancer binding protein (C/EBP), delta
CLCF1	NM_013246.2		cardiotrophin-like cytokine factor 1
CNTFR	NM_147164.1		ciliary neurotrophic factor receptor
CREBBP	NM_001079846.1	RSTS, RTS, CBP, KAT3A	CREB binding protein
CRLF2	NM_001012288.1		cytokine receptor-like factor 2
CSF1R	NM_005211.2	FMS, C-FMS, CSFR, CD115	colony stimulating factor 1 receptor
CSF2	NM_000758.2		colony stimulating factor 2 (granulocyte-macrophage)
CSF3	NM_000759.3	GCSF, G-CSF, C17orf33, MGC45931	colony stimulating factor 3 (granulocyte)
CSF3R	NM_156038.2	CD114, GCSFR	colony stimulating factor 3 receptor (granulocyte)
CXCL1	NM_001511.1	MGSA, GRO1, FSP, SCYB1, GROa, MGSA-a, NAP-3	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
CXCL10	NM_001565.1	INP10, SCYB10, IFI10, IP-10, crg-2, mob-1, C7, gIP-10	chemokine (C-X-C motif) ligand 10
CXCL2	NM_002089.3	GRO2, SCYB2, GROb, MIP-2a, MGSA-b, CINC-2a	chemokine (C-X-C motif) ligand 2
CXCL3	NM_002090.2	GRO3, SCYB3, GROg, MIP-2b, CINC-2b	chemokine (C-X-C motif) ligand 3
CXCL5	NM_002994.3	SCYB5, ENA-78	chemokine (C-X-C motif) ligand 5
CXCL8	NM_000584.2	IL8, NAF, GCP1, LECT, LUCT, NAP1, GCP-1, LYNAP, MDNCF, MON	chemokine (C-X-C motif) ligand 8
CXCL9	NM_002416.1	CMK, MIG, SCYB9, Humig, crg-10	chemokine (C-X-C motif) ligand 9
EGFR	NM_201282.1	ERBB, ERBB1	epidermal growth factor receptor
EP300	NM_001429.2		E1A binding protein p300
EPO	NM_000799.2		erythropoietin
EPOR	NM_000121.2		erythropoietin receptor
FAS	NM_152876.1	FAS1, APT1, TNFRSF6, CD95, APO-1	Fas cell surface death receptor
FASLG	NM_000639.1	APT1LG1, TNFSF6, FasL, CD178	Fas ligand (TNF superfamily, member 6)
FCGR1A	NM_000566.3		Fc fragment of IgG, high affinity Ia, receptor (CD64)
FLT3LG	NM_001459.3		fms-related tyrosine kinase 3 ligand
GATA3	NM_001002295.1		GATA binding protein 3
GHR	NM_000163.2		growth hormone receptor
GRB2	NM_002086.4		growth factor receptor-bound protein 2
HSP90B1	NM_003299.1	TRA1, GP96, GRP94	heat shock protein 90kDa beta (Grp94), member 1
IFNA17	NM_021268.2		interferon, alpha 17
IFNA2	NM_000605.3		interferon, alpha 2
IFNA7	NM_021057.2		interferon, alpha 7
IFNG	NM_000619.2		interferon, gamma
IKBKB	NM_001556.1		inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta
IKBKG	NM_003639.2	IP2, IP1, IKK-gamma, NEMO, Fip3p, FIP-3, FIP3, ZC2HC9	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma
IL10	NM_000572.2		interleukin 10
IL10RA	NM_001558.2	IL10R, HIL-10R, CDW210A, CD210a, CD210	interleukin 10 receptor, alpha
IL11	NM_000641.2		interleukin 11
IL11RA	NM_147162.1		interleukin 11 receptor, alpha
IL12A	NM_000882.2	NKSF1, CLMF, IL-12A, p35, NFSK	interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte
IL12B	NM_002187.2	NKSF2, CLMF, IL-12B, NKSF, CLMF2	interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte
IL12RB2	NM_001559.2		interleukin 12 receptor, beta 2
IL13	NM_002188.2		interleukin 13
IL13RA1	NM_001560.2		interleukin 13 receptor, alpha 1
IL13RA2	NM_000640.2		interleukin 13 receptor, alpha 2
IL15	NM_172174.1		interleukin 15
IL17A	NM_002190.2	CTLA8, IL17, IL-17A, IL-17	interleukin 17A
IL18	NM_001562.2		interleukin 18 (interferon-gamma-inducing factor)
IL19	NM_013371.3		interleukin 19
IL1A	NM_000575.3	IL1, IL1F1, IL-1A, IL1-ALPHA	interleukin 1, alpha
IL1B	NM_000576.2		interleukin 1, beta

IL1R2	NM_173343.1	IL1RB, CD121b	interleukin 1 receptor, type II
IL1RN	NM_000577.3		interleukin 1 receptor antagonist
IL2	NM_000586.2		interleukin 2
IL20RA	NM_014432.2		interleukin 20 receptor, alpha
IL20RB	NM_144717.2	FNDC6, DIRS1, IL-20R2, MGC34923	interleukin 20 receptor beta
IL21	NM_021803.2		interleukin 21
IL22	NM_020525.4		interleukin 22
IL22RA1	NM_021258.2	IL22R, CRF2-9	interleukin 22 receptor, alpha 1
IL22RA2	NM_181310.1		interleukin 22 receptor, alpha 2
IL23A	NM_016584.2		interleukin 23, alpha subunit p19
IL23R	NM_144701.2		interleukin 23 receptor
IL24	NM_181339.1	ST16, mda-7, IL10B, Mob-5, C49A, FISP, IL-24	interleukin 24
IL26	NM_018402.1		interleukin 26
IL2RA	NM_000417.1	IL2R, CD25	interleukin 2 receptor, alpha
IL2RB	NM_000878.2	IL15RB, CD122	interleukin 2 receptor, beta
IL3	NM_000588.3		interleukin 3 (colony-stimulating factor, multiple)
IL3RA	NM_002183.2		interleukin 3 receptor, alpha (low affinity)
IL4R	NM_000418.2		interleukin 4 receptor
IL5	NM_000879.2		interleukin 5 (colony-stimulating factor, eosinophil)
IL5RA	NM_000564.3	IL5R, CDw125, CD125	interleukin 5 receptor, alpha
IL6	NM_000600.1	IFNB2, IL-6, BSF2, HGF, HSF	interleukin 6 (interferon, beta 2)
IL6R	NM_000565.2		interleukin 6 receptor
IL7	NM_000880.2		interleukin 7
IL7R	NM_002185.2		interleukin 7 receptor
IL9	NM_000590.1		interleukin 9
IRF1	NM_002198.1		interferon regulatory factor 1
IRF9	NM_006084.4		interferon regulatory factor 9
JAK1	NM_002227.1	JAK1B, JAK1A, JTK3	Janus kinase 1
JAK2	NM_004972.2		Janus kinase 2
JAK3	NM_000215.2		Janus kinase 3
JUN	NM_002228.3		jun proto-oncogene
JUNB	NM_002229.2		jun B proto-oncogene
LEP	NM_000230.2		leptin
LEPR	NM_001003679.1		leptin receptor
LIF	NM_002309.3		leukemia inhibitory factor
LIFR	NM_002310.3		leukemia inhibitory factor receptor alpha
LRG1	NM_052972.2		leucine-rich alpha-2-glycoprotein 1
LTB	NM_002341.1	TNFC, p33, TNFSF3	lymphotoxin beta (TNF superfamily, member 3)
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
MCL1	NM_021960.3		myeloid cell leukemia sequence 1 (BCL2-related)
MDM2	NM_006878.2		MDM2 oncogene, E3 ubiquitin protein ligase
MPL	NM_005373.2		myeloproliferative leukemia virus oncogene
MTOR	NM_004958.2	FRAP, FRAP2, FRAP1, RAFT1, RAP1, FLJ44809	mechanistic target of rapamycin (serine/threonine kinase)
MYC	NM_002467.3		v-myc avian myelocytomatosis viral oncogene homolog
MYD88	NM_002468.3		myeloid differentiation primary response 88
NFKB1	NM_003998.2		nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
NOS2	NM_153292.1	NOS2A, iNOS, NOS, HEP-NOS	nitric oxide synthase 2, inducible
OAS1	NM_001032409.1	OIAS, OIASI, IFI-4	2'-5'-oligoadenylate synthetase 1, 40/46kDa
OSM	NM_020530.4		oncostatin M
PDGFRA	NM_006206.3		platelet-derived growth factor receptor, alpha polypeptide
PIAS1	NM_016166.1	DDXBP1, GBP, GU/RH-II, ZMIZ3	protein inhibitor of activated STAT, 1
PIAS3	NM_006099.3		protein inhibitor of activated STAT, 3
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
PIK3CG	NM_002649.2		phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit gamma
PIK3R1	NM_181504.2		phosphoinositide-3-kinase, regulatory subunit 1 (alpha)
PIK3R2	NM_005027.2		phosphoinositide-3-kinase, regulatory subunit 2 (beta)
PIK3R3	NM_003629.3		phosphoinositide-3-kinase, regulatory subunit 3 (gamma)
PIK3R5	NM_001142633.1		phosphoinositide-3-kinase, regulatory subunit 5
PIM1	NM_002648.2		pim-1 oncogene
PRL	NM_000948.3		prolactin
PRLR	NM_001204318.1		prolactin receptor
PTEN	NM_000314.4	BZS, MHAM, MMAC1, TEP1, PTEN1	phosphatase and tensin homolog
PTPN11	NM_002834.3	NS1, BTP3, SH-PTP2, SHP-2, PTP2C, SHP2	protein tyrosine phosphatase, non-receptor type 11
RAF1	NM_002880.3		v-raf-1 murine leukemia viral oncogene homolog 1
RIPK2	NM_003821.5		receptor-interacting serine-threonine kinase 2
SMAD2	NM_005901.5	MADH2, MADR2, JV18-1	SMAD family member 2
SMAD3	NM_005902.3	MADH3, JV15-2, HsT17436	SMAD family member 3
SOCS1	NM_003745.1		suppressor of cytokine signaling 1
SOCS2	NM_003877.3		suppressor of cytokine signaling 2
SOCS3	NM_003955.3		suppressor of cytokine signaling 3
SOS1	NM_005633.2	GINGF, HGF, GF1	son of sevenless homolog 1 (Drosophila)
SOS2	NM_006939.2		son of sevenless homolog 2 (Drosophila)
SPP1	NM_000582.2	BNSP, OPN, BSPI, ETA-1	secreted phosphoprotein 1
SPRY1	NM_005841.1		sprouty homolog 1, antagonist of FGF signaling (Drosophila)

SPRY2	NM_005842.2		sprouty homolog 2 (Drosophila)
SPRY4	NM_030964.3		sprouty homolog 4 (Drosophila)
STAT1	NM_007315.2		signal transducer and activator of transcription 1, 91kDa
STAT2	NM_005419.2		signal transducer and activator of transcription 2, 113kDa
STAT3	NM_139276.2		signal transducer and activator of transcription 3 (acute-phase response facto
STAT4	NM_003151.2		signal transducer and activator of transcription 4
STAT5A	NM_003152.2	STAT5, MGF	signal transducer and activator of transcription 5A
STAT5B	NM_012448.3		signal transducer and activator of transcription 5B
STAT6	NM_003153.3		signal transducer and activator of transcription 6, interleukin-4 induced
SYK	NM_003177.3		spleen tyrosine kinase
TLR1	NM_003263.3		toll-like receptor 1
TLR3	NM_003265.2		toll-like receptor 3
TLR4	NM_138554.2		toll-like receptor 4
TLR6	NM_006068.2		toll-like receptor 6
TNF	NM_000594.2	TNFA, TNFSF2, DIF, TNF-alpha	tumor necrosis factor
TNFSF10	NM_003810.2		tumor necrosis factor (ligand) superfamily, member 10
TNFSF14	NM_003807.3		tumor necrosis factor (ligand) superfamily, member 14
TNFSF8	NM_001244.3	CD30LG, CD153	tumor necrosis factor (ligand) superfamily, member 8
TP53	NM_000546.2		tumor protein p53
TPO	NM_175722.1		thyroid peroxidase
TSC1	NM_000368.3	TSC, KIAA0243, LAM, hamartin	tuberous sclerosis 1
TSLP	NM_033035.4		thymic stromal lymphopietin
VEGFA	NM_001025366.1	VEGF, VEGF-A, VPF	vascular endothelial growth factor A
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