

Gene Symbol	Accession	Alias/Prev Symbol	Official Full Name	
ADA	NM_000022.2		adenosine deaminase	
AICDA	NM_020661.1		activation-induced cytidine deaminase	
AKT3	NM_005465.4		v-akt murine thymoma viral oncogene homolog 3	
ALCAM	NM_001627.3		activated leukocyte cell adhesion molecule	
ANP32B	NM_006401.2		acidic (leucine-rich) nuclear phosphoprotein 32 family, member B	
ASF1A	NM_014034.2		anti-silencing function 1A histone chaperone	
ATF2	NM_001256090.1	CREB2, TREB7, CRE-BP1, HB16	activating transcription factor 2	
ATM	NM_138292.3	ATA, ATDC, ATC, ATD, TEL1, TELO1	ataxia telangiectasia mutated	
BATF	NM_006399.3		basic leucine zipper transcription factor, ATF-like	
BCL6	NM_001706.2	ZNF51, ZBTB27, LAZ3, BCL5, BCL6A	B-cell CLL/lymphoma 6	
BIRC5	NM_001168.2	API4, EPR-1, survivin	baculoviral IAP repeat containing 5	
BLK	NM_001715.2		B lymphoid tyrosine kinase	
BORA	NM_024808.2	C13orf34, FLJ22624	bora, aurora kinase A activator	
CCL3	NM_002983.2	SCYA3, G0S19-1, 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	
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	
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)	
CD160	NM_007053.2		CD160 molecule	
CD19	NM_001770.4		CD19 molecule	
CD1C	NM_001765.2		CD1c molecule	
CD1D	NM_001766.3		CD1d molecule	
CD1E	NM_001042583.1		CD1e molecule	
CD2	NM_001767.3		CD2 molecule	
CD22	NM_001771.2		CD22 molecule	
CD24	NM_013230.2		CD24 molecule	
CD247	NM_198053.1	CD3Z, CD3H, CD3Q	CD247 molecule	
CD27	NM_001242.4	TNFRSF7, S152, Tp55	CD27 molecule	
CD274	NM_014143.3	PDCD1LG1, B7-H, B7H1, PD-L1, PDL1, B7-H1	CD274 molecule	
CD276	NM_001024736.1		CD276 molecule	
CD28	NM_001243078.1		CD28 molecule	
CD37	NM_001774.2		CD37 molecule	
CD38	NM_001775.2		CD38 molecule	
CD3D	NM_000732.4		CD3d molecule, delta (CD3-TCR complex)	
CD3E	NM_000733.2		CD3e molecule, epsilon (CD3-TCR complex)	
CD3G	NM_000073.2		CD3g molecule, gamma (CD3-TCR complex)	
CD4	NM_000616.4		CD4 molecule	
CD40	NM_001250.4	TNFRSF5, p50, Bp50	CD40 molecule, TNF receptor superfamily member 5	
CD40LG	NM_000074.2	HIGM1, IMD3, TNFSF5, CD40L, TRAP, gp39, hCD40L, CD154	CD40 ligand	
CD47	NM_001777.3	MER6, IAP, OA3	CD47 molecule	
CD5	NM_014207.2	LEU1, T1	CD5 molecule	
CD6	NM_006725.4		CD6 molecule	
CD69	NM_001781.1		CD69 molecule	
CD7	NM_006137.6		CD7 molecule	
CD70	NM_001252.2	CD27LG, TNFSF7, CD27L	CD70 molecule	
CD72	NM_001782.2		CD72 molecule	
CD74	NM_001025159.1		CD74 molecule, major histocompatibility complex, class II invariant chain	
CD79A	NM_001783.3	IGA, MB-1	CD79a molecule, immunoglobulin-associated alpha	
CD79B	NM_021602.2	IGB, B29	CD79b molecule, immunoglobulin-associated beta	
CD80	NM_005191.3	CD28LG, CD28LG1, B7.1, B7-1	CD80 molecule	
CD83	NM_004233.3		CD83 molecule	
CD86	NM_175862.3	CD28LG2, B7.2, B7-2	CD86 molecule	
CD8A	NM_001768.5		CD8a molecule	
CD8B	NM_004931.3		CD8b molecule	
CD96	NM_005816.4		CD96 molecule	
CDC25C	NM_001790.2	CDC25, PPP1R60	cell division cycle 25C	
CDC7	NM_003503.2	CDC7L1, Hsk1, huCdc7, HsCdc7	cell division cycle 7	
CENPF	NM_016343.3		centromere protein F, 350/400kDa	
CHST10	NM_004854.4		carbohydrate sulfotransferase 10	
CR2	NM_001006658.1		complement component (3d/Epstein Barr virus) receptor 2	
CSF2	NM_000758.2		colony stimulating factor 2 (granulocyte-macrophage)	
CTLA4	NM_005214.3	CELIAC3, CD152, CD, GSE, CD28, ICOS	cytotoxic T-lymphocyte-associated protein 4	
CXCL13	NM_006419.2	SCYB13, BLC, BCA-1, BLR1L, ANGIE, ANGIE2	chemokine (C-X-C motif) ligand 13	
CXCR3	NM_001504.1	GPR9, CKR-L2, CMKAR3, IP10-R, MigR, CD183	chemokine (C-X-C motif) receptor 3	
CXCR4	NM_003467.2		chemokine (C-X-C motif) receptor 4	
CXCR5	NM_001716.4	BLR1, MDR15, CD185	chemokine (C-X-C motif) receptor 5	
CXCR6	NM_006564.1		chemokine (C-X-C motif) receptor 6	
DOCK9	NM_001130048.1		dedicator of cytokinesis 9	
DPP4	NM_001935.3	CD26, ADCP2, DPPIV	dipeptidyl-peptidase 4	
EGR1	NM_001964.2		early growth response 1	
EOMES	NM_005442.2		eomesodermin	
EWSR1	NM_013986.3		EWS RNA-binding protein 1	
F2RL1	NM_005242.3	GPR11, PAR2	coagulation factor II (thrombin) receptor-like 1	
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)	
FCER2	NM_002002.4	CD23A, FCE2, CLEC4J, CD23	Fc fragment of IgE, low affinity II, receptor for (CD23)	
FCRL2	NM_030764.3	SPAP1, FCRH2, IRTA4, CD307b	Fc receptor-like 2	
FEZ1	NM_005103.4		fasciculation and elongation protein zeta 1 (zygin I)	
FLT3LG	NM_001459.3		fms-related tyrosine kinase 3 ligand	
FOXP3	NM_014009.3	IPEX, JM2, XPID, AIID, PIDX, DIETER, SCURFIN	forkhead box P3	
FRYL	NM_015030.1	KIAA0826, DKFZp686E205	FRY-like	

GATA3	NM_001002295.1		GATA binding protein 3	
GZMM	NM_005317.2		granzyme M (lymphocyte met-ase 1)	
HELLS	NM_018063.3		helicase, lymphoid-specific	
HLA-A	NM_002116.5		major histocompatibility complex, class I, A	
HLA-B	NM_005514.6		major histocompatibility complex, class I, B	
HLA-C	NM_002117.4		major histocompatibility complex, class I, C	
HLA-DMA	NM_006120.3		major histocompatibility complex, class II, DM alpha	
HLA-DOB	NM_002120.3		major histocompatibility complex, class II, DO beta	
HLA-DRA	NM_019111.3		major histocompatibility complex, class II, DR alpha	
ICOS	NM_012092.2		inducible T-cell co-stimulator	
ICOSLG	NM_015259.4	ICOSL, KIAA0653, GL50, B7-H2, B7RP-1, B7H2, B7RP1, ICOS	inducible T-cell co-stimulator ligand	
IDO1	NM_002164.3		indoleamine 2,3-dioxygenase 1	
IFNG	NM_000619.2		interferon, gamma	
IL10	NM_000572.2		interleukin 10	
IL11	NM_000641.2		interleukin 11	
IL12A	NM_000882.2	NKSF1, CLMF, IL-12A, p35, NFSK	interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte matu	
IL12B	NM_002187.2	NKSF2, CLMF, IL-12B, NKSF, CLMF2	interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte matu	
IL12RB1	NM_005535.1	IL12RB, CD212	interleukin 12 receptor, beta 1	
IL12RB2	NM_001559.2		interleukin 12 receptor, beta 2	
IL17A	NM_002190.2	CTLA8, IL17, IL-17A, IL-17	interleukin 17A	
IL17RA	NM_014339.6	IL17R, hIL-17R, IL-17RA, CDw217, CD217	interleukin 17 receptor A	
IL1R2	NM_173343.1	IL1RB, CD121b	interleukin 1 receptor, type II	
IL2	NM_000586.2		interleukin 2	
IL26	NM_018402.1		interleukin 26	
IL2RA	NM_000417.1	IL2R, CD25	interleukin 2 receptor, alpha	
IL4	NM_000589.2		interleukin 4	
IL4R	NM_000418.2		interleukin 4 receptor	
IL5	NM_000879.2		interleukin 5 (colony-stimulating factor, eosinophil)	
IL6	NM_000600.1	IFNB2, IL-6, BSF2, HGF, HSF	interleukin 6 (interferon, beta 2)	
IL7	NM_000880.2		interleukin 7	
IRF4	NM_002460.1	MUM1, LSIRF	interferon regulatory factor 4	
ITGA1	NM_181501.1		integrin, alpha 1	
ITGA2	NM_002203.2	CD49B, CD49b	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	
ITGA3	NM_002204.2	MSK18, CD49c, VLA3a, VCA-2, GAP-B3	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	
KIAA0125	NM_014792.2	FAM30A, C14orf110, HSPC053	KIAA0125	
KLRB1	NM_002258.2	NKR, CD161, NKR-P1, NKR-P1A, hNKR-P1A, CLEC5B	killer cell lectin-like receptor subfamily B, member 1	
KLRD1	NM_002262.3		killer cell lectin-like receptor subfamily D, member 1	
LAG3	NM_002286.5		lymphocyte-activation gene 3	
LAIR2	NM_002288.3		leukocyte-associated immunoglobulin-like receptor 2	
LCK	NM_005356.2		lymphocyte-specific protein tyrosine kinase	
LCP1	NM_002298.4		lymphocyte cytosolic protein 1 (L-plastin)	
LILRA4	NM_012276.3		leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 4	
LILRB1	NM_001081637.1		leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), i	
LRBA	NM_001199282.2	CDC4L, BGL, LAB300, LBA	LPS-responsive vesicle trafficking, beach and anchor containing	
LTA	NM_000595.2	TNFB, TNFSF1, LT	lymphotoxin alpha	
LTK	NM_001135685.1		leukocyte receptor tyrosine kinase	
MAF	NM_005360.4		v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog	
MAP3K7	NM_145333.1	TAK1, MEKK7	mitogen-activated protein kinase kinase kinase 7	
MICB	NM_005931.3		MHC class I polypeptide-related sequence B	
MR1	NM_001531.2		major histocompatibility complex, class I-related	
MS4A1	NM_152866.2	CD20, B1, Bp35, MS4A2	membrane-spanning 4-domains, subfamily A, member 1	
NCK1	NM_006153.3	NCK, NCKalpha	NCK adaptor protein 1	
NEFL	NM_006158.3		neurofilament, light polypeptide	
NEIL3	NM_018248.2		nei endonuclease VIII-like 3 (E. coli)	
NFATC4	NM_001136022.2		nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	
NT5E	NM_002526.2	NT5, CD73, eN, eNT, CALJA	5'-nucleotidase, ecto (CD73)	
NUP107	NM_020401.2		nucleoporin 107kDa	
PDCD1	NM_005018.1		programmed cell death 1	
PHF10	NM_133325.2		PHD finger protein 10	
PMCH	NM_002674.2		pro-melanin-concentrating hormone	
PNOC	NM_006228.3		prepronociceptin	
PRF1	NM_005041.3		perforin 1 (pore forming protein)	
PSEN1	NM_000021.2	AD3, FAD, S182, PS1	presenilin 1	
PSEN2	NM_000447.2	AD4, AD3L, STM2, PS2	presenilin 2 (Alzheimer disease 4)	
PSMB7	NM_002799.2		proteasome (prosome, macropain) subunit, beta type, 7	
PSMB9	NM_002800.4	LMP2, RING12, beta1i, PSMB6i	proteasome (prosome, macropain) subunit, beta type, 9	
PTPRC	NM_080921.3	CD45, LCA, T200, GP180	protein tyrosine phosphatase, receptor type, C	
RAG1	NM_000448.2		recombination activating gene 1	
REPS1	NM_001128617.2		RALBP1 associated Eps domain containing 1	
RORC	NM_001001523.1		RAR-related orphan receptor C	
RPS6	NM_001010.2		ribosomal protein S6	
SH2D1A	NM_001114937.2	IMD5, LYP, XLP, MTCP1, DSHP, XLPD, EBVS, SAP	SH2 domain containing 1A	
SLC11A1	NM_000578.2		solute carrier family 11 (proton-coupled divalent metal ion transporter), member	
SMAD2	NM_005901.5	MADH2, MADR2, JV18-1	SMAD family member 2	
SOCS1	NM_003745.1		suppressor of cytokine signaling 1	
SPIB	NM_003121.3		Spi-B transcription factor (Spi-1/PU.1 related)	
ST6GAL1	NM_003032.2		ST6 beta-galactosamide alpha-2,6-sialyltranferase 1	
STAT4	NM_003151.2		signal transducer and activator of transcription 4	
STAT6	NM_003153.3		signal transducer and activator of transcription 6, interleukin-4 induced	
TAP1	NM_000593.5	ABCB2, PSF1, RING4, D6S114E	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	
TAP2	NM_000544.3	ABCB3, PSF2, RING11, D6S217E	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	
TAPBP	NM_003190.4		TAP binding protein (tapasin)	
TARP	NM_001003799.1	CD3G, TCRG, TCRGV, TCRGC1, TCRGC2	TCR gamma alternate reading frame protein	

TBX21	NM_013351.1		T-box 21	
TCL1A	NM_001098725.1		T-cell leukemia/lymphoma 1A	
TGFB1	NM_000660.3	TGFB, DPD1, CED, TGFbeta	transforming growth factor, beta 1	
TIGIT	NM_173799.2	VSIG9, VSTM3, FLJ39873, DKFZp667A205	T cell immunoreceptor with Ig and ITIM domains	
TNFRSF14	NM_003820.2		tumor necrosis factor receptor superfamily, member 14	
TNFRSF17	NM_001192.2	BCMA, BCM, CD269, TNFRSF13A	tumor necrosis factor receptor superfamily, member 17	
TNFRSF4	NM_003327.2	TXGP1L, ACT35, OX40, CD134	tumor necrosis factor receptor superfamily, member 4	
TNFRSF8	NM_152942.2	CD30, D1S166E, KI-1	tumor necrosis factor receptor superfamily, member 8	
TNFSF14	NM_003807.3		tumor necrosis factor (ligand) superfamily, member 14	
TNFSF18	NM_005092.2		tumor necrosis factor (ligand) superfamily, member 18	
TP53	NM_000546.2		tumor protein p53	
TRAT1	NM_016388.2	TCRIM, HSPC062, TRIM	T cell receptor associated transmembrane adaptor 1	
USP9Y	NM_004654.3		ubiquitin specific peptidase 9, Y-linked	
VAV1	NM_001258206.1		vav 1 guanine nucleotide exchange factor	
WDHD1	NM_001008396.2		WD repeat and HMG-box DNA binding protein 1	
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	