

Recombinant Full Length Human ITGB2 Protein

Cat. No. ITGB2-279HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CD18 protein with an N terminal proprietary tag; predicted mwt: 110.66 kDa inclusive of tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	769 amino acids
Description	The product of this gene belongs to the integrin beta chain family of proteins. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. This gene encodes the integrin beta chain beta 2. A given chain may combine with multiple partners resulting in different integrins. For example, beta 2 combines with the alpha L chain to form the integrin LFA-1, and combines with the alpha M chain to form the integrin Mac-1. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. Defects in this gene are the cause of leukocyte adhesion deficiency type I (LAD1). Two transcript variants encoding the same protein have been identified for this gene.
Form	Liquid
Molecular Mass	110.660kDa inclusive of tags
AA Sequence	MLGLRPPLLALVGLLSLGCVLSQECTKFKVSSCRECIESG PGCTWCQKLNFTGPGD PDSIRCDTRPQLLMRGCAADDIMD PTSLAETQEDHNGGQKQLSPQKVTLYLRPGQ

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AAAFNVTFR RAKGYPIDLYYLMDSL SYSMLDDL RNVKKLGGDLLRALNEI TESGRIGF
 GSFVDKTVLPFVNTHPKLRNPCPNKEKECQP PFAFRHVLKLTNNSNQFQTEVGK
 QLISGNLDAPEGGLDAM MQVAACPEEIGWRNVTRLLVFATDDGFHFAGDGKLGAIL
 T PNDGRCHLEDNLYKRSNEFDYPSVGQLAHKLAENNIQPIF AVTSRMVKTYEKLTEI
 IPKSAVGELSESSNVVHLIKNAY NKLSSRVFLDHNALPDTLKVITYDSFCSNGVTHR
 NQPRGDC DGVQINVPITFQVKVTATECIEQSFVIRALGFTDIVTVQ VLPQCECRCR
 DQSRDRSLCHGKGFLECGICRCDTGYIGKN CECQTQGRSSQELEGSCRKDNNSIIC
 SGLGDCVCGQCLCH TSDVPGKLIYGQYCECDTINCERYNGQVCGGPGRGLCFCG
 KCRCHPGFEGSACQCERTTEGCLNPRRVECSGRGRRCRCNV CECHSGYQLPLCQE
 CPGCPSPCGKYISCAECLKFEKGPFK NCNSAACPLQLSNNPVKGRTCKERDSEG
 CWWAYTLEQQD GMDRYLIYVDESRECVAGPNIAAIVGGTVAGIVLIGILLL VIWKALIH
 LSDLREYRRFEKEKLKSQWNNNDNPLFKSATTT VMNPKFAES

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name *ITGB2* integrin, beta 2 (complement component 3 receptor 3 and 4 subunit) [Homo sapiens]

Official Symbol *ITGB2*

Synonyms *ITGB2*; integrin, beta 2 (complement component 3 receptor 3 and 4 subunit); CD18, integrin, beta 2 (antigen CD18 (p95), lymphocyte function associated antigen 1; macrophage antigen 1 (mac 1) beta subunit) , MFI7; integrin beta-2; LFA 1; MAC 1

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Gene ID	3689
mRNA Refseq	NM_000211
Protein Refseq	NP_000202
MIM	600065
UniProt ID	P05107

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