

Recombinant Full Length Human ITGB2 Protein, GST-tagged

Cat. No. ITGB2-5780HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITGB2 full-length ORF (AAH05861, 1 a.a. - 769 a.a.) recombinant protein with GST-tag at N-terminal.
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. [provided by RefSeq
Molecular Mass	110.33 kDa
AA Sequence	MLGLRPPLLALVGLLSLGCALSQECTKFKVSSCRECIESGPGCTWCQKLNFTGPGD PDSIRCDTRPQLLMRGCAADDIMDPTSLAETQEDHNGGQKQLSPQKVTLYLRPGQA AAFNVTFRRAKGYPIDLYYIMDLSSMLDDLNRNVKKLGGDLLRALNEITESGRIGFGS FVDKTVLPFVNTHPDKLRNPCPNKEKECQPPFAFRHVLKLTNNSNQFQTEVGKQLIS

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GNLDAPEGGLDAMMQVAACPREEIGWRNVTRLLVFATDDGFHFAGDGKLGAILTPND
 GRCHLEDNLYKRSNEFDYPSVGQLAHKLAENNIQPIFAVTSRMVKTYEKLTEIIPKSA
 VGELSEDSSNVVHLIKNAYNKLSSRVFLDHNALPDTLKVTYDSFCSNGVTHRNQPR
 GDCDGVQINVPITFQVKVTATECIQEQS FVIRALGFTDIVTVQVLPQCECRCRDQSRD
 RSLCHGKGFLECGICRCDTGYIGKNCECQTQGRSSQELEGSCRKDNNSIICSGGLGD
 CVCQGQCLCHTSDVPGKLIYGQYCECDTINCERYNGQVCGGPGRGLCFCGKCRCHP
 GFEGSACQCERTTEGCLNPRRVECSGRGRRCRCNVCECHSGYQLPLCQCEPGCPS
 PCGKYISCAECLKFEKGPF GKNC SAACPGLQLSNNPVKGRTCKERDSEGCWVAYT
 LEQQDGM DRYLIYVDESRECVAGPNIAAIVGGTVAGIVLIGILLVWKALIHLSDLREY
 RRFEKEKLKSQWNNNDNPLFKSATTVMNPKFAES

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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;

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macrophage antigen 1 (mac 1) beta subunit) , MF17; integrin beta-2; LFA 1; MAC 1; integrin beta chain, beta 2; complement receptor C3 beta-subunit; complement receptor C3 subunit beta; leukocyte cell adhesion molecule CD18; leukocyte-associated antigens CD18/11A, CD18/11B, CD18/11C; cell surface adhesion glycoproteins LFA-1/CR3/p150,95 subunit beta; cell surface adhesion glycoprotein LFA-1/CR3/P150,959 beta subunit precursor); LAD; CD18; MF17; MF17; LCAMB; LFA-1; MAC-1;

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