

Recombinant Human ITGB2 Protein, GST-tagged

Cat. No. ITGB2-4978H **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	Wheat Germ
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 PDSIRCDTRPQLLMRGCAADDIMDPTSLAETQEDHNGGQKQLSPQKVTLYLPGQA AAFNVTFERRAKGYPIDLYYLMDSLSSMLDDLNRNVKKLGDDLRLALNEITESGRIGFGS FVDKTVLPFVNTHPDKLRNCPNKEKECQPPFAFRHVLKLTNNSNQFQTEVGKQLIS GNLDAPEGGLDAMMQVAACPEEIGWRNVTRLLVFATDDGFHFAGDGKLGAILTPND

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GRCHLEDNLYKRSNEFDYPSVGQLAHKLAENNIQPIFAVTSRMVKTYEKLTEIIPKSA
 VGELSEDSSNVVHLIKNAYNKLSSRVFLDHNALPDTLKVITYDSFCSNGVTHRNQPR
 GDCDGVQINVPITFQVKVTATECIEQSFVIRALGFTDIVTVQVLPQCECRCRDQSRD
 RSLCHGKGFLECGICRCDTGYIGKNCECQTQGRSSQELEGSCRKDNNSIICSGGLGD
 CVCQGQCLCHTSDVPGKLIYGQYCECDTINCERYNGQVCGGPGRGLCFGKCRCHP
 GFEGSACQCERTTEGCLNPRRVECSGRGRRCRCNVCECHSGYQLPLCQECPGCPS
 PCGKYISCAECLKFEKGPFKGKNCSAACPGLQLSNNPVKGRTCKERDSEGCWWAYT
 LEQQDGMDDRYLIYVDESRECVAGPNIAAIVGGTVAGIVLIGILLVIWKALIHLSDLREY
 RRFEKEKLKSQWNNNDNPLFKSATTTVMNPKFAES

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; macrophage antigen 1 (mac 1) beta subunit) , MFI7; integrin beta-2; LFA 1; MAC 1;

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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

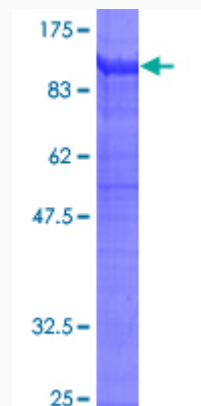
mRNA Refseq NM_000211

Protein Refseq NP_000202

MIM 600065

UniProt ID P05107

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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