

Recombinant Human ITGB2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ITGB2-1922H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ITGB2 MS Standard C13 and N15-labeled recombinant protein (NP_001120963) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an integrin beta chain, which combines with multiple different alpha chains to form different integrin heterodimers. Integrins are integral cell-surface proteins that participate in cell adhesion as well as cell-surface mediated signalling. The encoded protein plays an important role in immune response and defects in this gene cause leukocyte adhesion deficiency. Alternative splicing results in multiple transcript variants.
Molecular Mass	84.78 kDa
AA Sequence	MLGLRPPLLALVGLLSLGCVLSQECTKFKVSSCRECIESGPGCTWCQKLNFTGPGD PDSIRCDTRPQLLMRGCAADDIMDPTSLAETQEDHNGGQKQLSPQKVTLYLPGQA AAFNVTFERRAKGYPIDLYYLMDSLSSMLDDLNRNVKKLGGDLLRALNEITESGRIGFGS FVDKTVLPFVNTHPDKLRNCPNKEKECQPPFAFRHVLKLTNNSNQFQTEVGKQLIS GNLDAPEGGLDAMMQVAACPEEIGWRNVTRLLVFATDDGFHFAGDGKLGAILTPND GRCHLEDNLYKRSNEFDYPSVGQLAHKLAENNIQPIFAVTSRMVKTYEKLTEIIPKSA VGELSEDSSNVVQLIKNAYNKLSSRVFLDHNALPDTLKVTYDSFCSNGVTHRNQPR

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GDCDGVQINVPITFQVKVTATECIQE QSFVIRALGFTDIVTVQVLPQCECRCRDQSRD
 RSLCHGKGFLECGICRCDTG YIGKNCECQTQGRSSQELEGSCRKDNNSIICSGLGD
 CVCQGQCLCHTSDVPGKLIYGQYCECDTINCERYNGQVCGGPGRGLCFGKCRCHP
 GFEGSACQCERTTEGCLNPRRVECSGRGRRCRCNVCECHSGYQLPLCQECPCGCS
 PCGKYISCAECLKFEKGPF GKNC SAACPGLQLSNNPVKGRTCKERDSEGCWWAYT
 LEQQDGM DRYLIYVDESRECVAGPNIAAIVGGTVAGIVLIGILLVWKALIHLSDLREY
 RRFEKEKLKSQWNNDNPLFKSATTVMNPKFAESTRTRPLEQKLISEEDLAANDILD
 YKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ITGB2 integrin subunit beta 2 [Homo sapiens (human)]
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; integrin beta chain, beta 2; complement receptor C3 beta-subunit; complement receptor C3 subunit beta; leukocyte cell adhesion molecule CD18; leukocyte-

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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; MFI7; LCAMB; LFA-1; MAC-1;

Gene ID [3689](#)

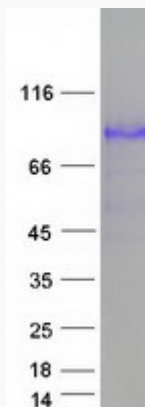
mRNA Refseq [NM_001127491](#)

Protein Refseq [NP_001120963](#)

MIM [600065](#)

UniProt ID [P05107](#)

SDS-PAGE



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