

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ITGB2 MS Standard C13 and N15-labeled recombinant protein (NP_001120963) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 84.78 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MLGLRPPLLALVGLLSLGCVLSQECTKFKVSSCRECIESGPGCTWCQKLNFTGPGD<br>PDSIRCDTRPQLLMRGCAADDIMDPTSLAETQEDHNGGQKQLSPQKVTLYLPGQA<br>AAFNVTFRRAKGYPIDLYYLMDSLSSMLDDLNRNVKKLGGDLLRALNEITESGRIGFGS<br>FVDKTVLPFVNTHPDKLRNPNKEKECQPPFAFRHVLKLTNNSNQFQTEVGKQLIS<br>GNLDAPEGGLDAMMQVAACPEEIGWRNVTRLLVFATDDGFHFAGDGKLGAILTPND<br>GRCHLEDNLYKRSNEFDYPSVGQLAHKLAENNIQPIFAVTSRMVKTYEKLTEIIPKSA<br>VGELSEDSSNVVQLIKNAYNKLSSRVFLDHNALPDTLKVTYDSFCSNGVTHRNQPR                           |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

GDCDGVQINVPITFQVKVTATECIQEQS FVIRALGFTDIVTVQVLPQCECRCRDQSRD  
 RSLCHGKGFLECGICRCDTGYIGKNCECQTQGRSSQELEGSCRKDNNSIICSLGLD  
 CVCQGQCLCHTSDVPGKLIYGQYCECDTINCERYNGQVCGGPGRGLCFCGKCRCHP  
 GFEGSACQCERTTEGCLNPRRVECSGRGRRCRCNVCECHSGYQLPLCQECPCGCS  
 PCGKYISCAECLKFEKGPF GKNC SAACPGLQLSNNPVKGRTCKERDSEGCWWAYT  
 LEQQDGM DRYLIYVDESRECVAGPNIAAIVGGTVAGIVLIGILLLVWKALIHLSDLREY  
 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](#)

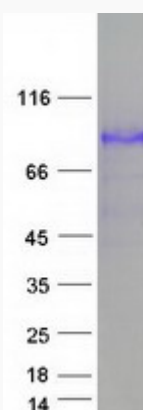
**mRNA Refseq** [NM\\_001127491](#)

**Protein Refseq** [NP\\_001120963](#)

**MIM** [600065](#)

**UniProt ID** [P05107](#)

**SDS-PAGE**



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