

## Recombinant Human ITGB2 protein, T7/His-tagged

**Cat. No.** ITGB2-181H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human CD18 cDNA (23 - 700 aa, derived from BC005861) protein fused with T7-His-TEV cleavage site Tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 23-700 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | 0.20 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | <p>MASMTGGQQMGRGHHHHHHGNLYFQGGEFELQECTKFKVSSCRECIESGPGCTW<br/> CQKLNFTGPGDPDSIRCDTRP QLLMRGCAADDIMDPTSLAETQEDHNGGQKQLSP<br/> QKVTLYLRPGQAAAFNVTFRRAKGYPIDLYLMDLSYSMLD DLNRNVKKLGGDLLRA<br/> LNEITESGRIGFGSFVDKTVLPFVNTHPKLRNPCPNKEKECQPPFAFRHVLKLTNN<br/> SNQ FQTEVGKQLISGNLDAPEGGLDAMMQVAACPEEIGWRNVTRLLVFATDDGFH<br/> FAGDGKLGAILTPNDGRCHLEDN LYKRSNEFDYPSVGQLAHKLAENNIQPIFAVTSR<br/> MVKTYEKLTEIIPKSAVGELSEDSSNVVHLIKNAYNKLSSR VFLDHNALPDTLKVTYD<br/> SFCSNGVTHRNQPRGDCDGVQINVPITFQVKVTATECIQEVSFVIRALGFTDIVTVQV<br/> LPQCECRCDQSRDRSLCHGKGFLECGICRCDTGYIGKNCECQTQGRSSQELEGS<br/> CRKDNNSIICSGLGDCVCGQ CLCHTSDVPGKLIYGQYCECDTINCERYNGQVCGGP<br/> GRGLCFCGKCRCHPGFEGSACQCERTTEGCLNPRRVECS GRGRCRCNVCECHS<br/> GYQLPLCQECPCGCPSPCGKYISCAECLKFEKGPFKGKNCSAACPGQLQLSNNPVKGRT</p> |

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CKERD SEGCWVAYTLEQQDGMDRYLIYVDESRECVAGPN

**Purity** >90% by SDS-PAGE.

**Storage** Keep at -80°C for long term storage. Product is stable at 4 °C for at least 30 days.

## 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; LFA 1; MAC 1; integrin beta chain, beta 2; LAD; CD18; MF17; MFI7; LCAMB; LFA-1; MAC-1;

**Gene ID** [3689](#)

**mRNA Refseq** [NM\\_000211](#)

**Protein Refseq** [NP\\_000202](#)

**MIM** [600065](#)

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

**Chromosome Location** 21q22.3

**Pathway** Adaptive Immune System, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; CXCR3-mediated signaling events, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-

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specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem;

**Function**

binding; glycoprotein binding; protein kinase binding; receptor activity;

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