Recombinant Human ITGB2 protein, His-tagged

Cat. No. ITGB2-71H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ITGB2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
ProteinLength	23-700 aa
Description	ITGB2, also known as integrin beta-2, is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. It may belong to an extended family of cell surface molecules including the fibronectin binding protein. Also It is a complement receptor type 3 (CR3). It triggers neutrophil transmigration during lung injury through PTK2B/PYK2-mediated activation.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	75.9kDa (686aa)70-100kDa (SDS-PAGE under reducing conditions)
AA Sequence	QECTKFKVSS CRECIESGPG CTWCQKLNFT GPGDPDSIRC DTRPQLLMRG CAADDIMDPT SLAETQEDHN GGQKQLSPQK VTLYLRPGQAAAFNVTFRRA KGYPIDLYYL MDLSYSMLDD LRNVKKLGGD LLRALNEITE SGRIGFGSFV DKTVLPFVNT HPDKLRNPCP NKEKECQPPFAFRHVLKLTN NSNQFQTEVG KQLISGNLDA PEGGLDAMMQ VAACPEEIGW RNVTRLLVFA TDDGFHFAGD GKLGAILTPN DGRCHLEDNLYKRSNEFDYP SVGQLAHKLA ENNIQPIFAV

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	TSRMVKTYEK LTEIIPKSAV GELSEDSSNV VQLIKNAYNK LSSRVFLDHN ALPDTLKVTYDSFCSNGVTH RNQPRGDCDG VQINVPITFQ VKVTATECIQ EQSFVIRALG FTDIVTVQVL PQCECRCRDQ SRDRSLCHGK GFLECGICRCDTGYIGKNCE CQTQGRSSQE LEGSCRKDNN SIICSGLGDC VCGQCLCHTS DVPGKLIYGQ YCECDTINCE RYNGQVCGGP GRGLCFCGKCRCHPGFEGSA CQCERTTEGC LNPRRVECSG RGRCRCNVCE CHSGYQLPLC QECPGCPSPC GKYISCAECL KFEKGPFGKN CSAACPGLQLSNNPVKGRTC KERDSEGCWV AYTLEQQDGM DRYLIYVDES RECVAGPNLE HHHHHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>85% by SDS - PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	ITGB2 integrin, beta 2 (complement component 3 receptor 3 and 4 subunit) [Homo sapiens]
Official Symbol	ITGB2
Synonyms	ITGB2; MFI7; LFA 1; MAC 1; CD18; MF17; MFI7; LCAMB
Gene ID	3689

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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-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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