

# Recombinant human Integrin beta 2/CD18 protein

Catalog Number: ATGP3351

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

23-700aa

### UniProt No.

P05107

### NCBI Accession No.

NP\_000202.2

### Alternative Names

ITGB2, Cell surface adhesion glycoproteins LFA-1, CR3, p150,95 subunit beta, Complement receptor C3 subunit beta, MF17, MAC-1

## PRODUCT SPECIFICATION

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### Molecular Weight

75.9 kDa (686aa)

### Concentration

0.25mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 85% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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

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activation. Recombinant human ITGB2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

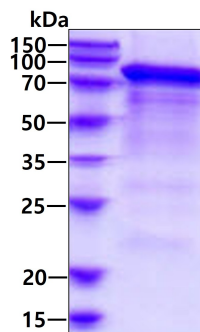
QECTKFKVSS CRECIESGPG CTWCQKLNFT GPGDPDSIRC DTRPQLLMRG CAADDIMDPT SLAETQEDHN GGQKQLSPQK  
VTLYLRPGQA AAFNVTFERRA KGYPIDLYYL MDLSYSMLDD LRNVKKLGGD LLRALNEITE SGRIGFGSFV DKTVLPFVNT  
HPDKLRNPCP NKEKECQPPF AFRHVLKLTN NSNQFQTEVG KQLISGNLDA PEGGLDAMMQ VAACPEEIGW RNVTRLLVFA  
TDDGFHFAGD GKLGAILTPN DGRCHLEDNL YKRSNEFDYP SVGQLAHKLA ENNIQPIFAV TSRMVKTYEK LTEIIPKSAV  
GELSESSNV VQLIKNAYNK LSSRVFLDHN ALPDTLKVTY DSFCSNGVTH RNQPRGDCDG VQINVPITFQ VKVTATECIQ  
EQSFVIRALG FTDIVTVQVL PQCECRCDQ SRDRSLCHGK GFLECGICRC DTGYIGKNCE CQTQGRSSQE LEGSCRKDNN  
SIICSGLGDC VCGQCLCHTS DVPGKLIYQY YCECDTINCE RYNGQVCGGP GRGLCFGKGC RCHPGFEGSA QCERTTEGC  
LNPRRVECSG RGRRCNVCE CHSGYQLPLC QECPCPSPC GKYISCAECL KFEKGPFGKN CSAACPLQL SNNPVKGRTC  
KERDSEGCWV AYTLEQQDGM DRYLIYVDES RECVAGPN<LE HHHHHH>

## General References

Law SK., et al. (1987) EMBO J. 6:915-919.  
Xu J., et al. (2008) Nat Immunol. 9:880-886.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.