

Recombinant human Integrin beta 2/CD18 protein

Catalog Number: ATGP3351

PRODUCT INFORMATION

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

Molecular Weight

75.9 kDa (686aa)

Concentration

0.25mg/ml (determined by Bradford assay)

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

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

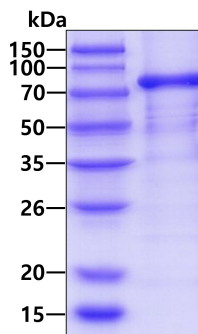
QECTKFKVSS CRECIESGPG CTWCQKLNFT GPGDPDSIRC DTRPQLLMRG CAADDIMDPT SLAETQEDHN GGQKQLSPQK
VTLYLRPGQA AAFNVTFERRA KGYPIDLYYL MDLSYSMLDD LRNVKKLGGD LLRALNEITE SGRIGFGSFV DKTVLPFVNT
HPDKLRNPCP NKEKECQPPF AFRHVLKLTN NSNQFQTEVG KQLISGNLDA PEGGLDAMMQ VAACPEEIGW RNVTRLLVFA
TDDGFHFAGD GKLGAILTPN DGRCHLEDNL YKRSNEFDYP SVGQLAHKLA ENNIQPIFAV TSRMVKTYEK LTEIIPKSAV
GELSESSNV VQLIKNAYNK LSSRVFLDHN ALPDTLKVTY DSFCSNGVTH RNQPRGDCDG VQINVPITFQ VKVTATECIQ
EQSFVIRALG FTDIVTVQVL PQCECRCDQ SRDRSLCHGK GFLECGICRC DTGYIGKNCE CQTQGRSSQE LEGSCRKDNN
SIICSGLGDC VCGQCLCHTS DVPGKLIYGQ YCECDTINCE RYNGQVCGGP GRGLCFGKGC RCHPGFEGSA QCERTTEGC
LNPRRVECSG RGRRCNVCE CHSGYQLPLC QECPGCPSPC GKYISCAECL KFEKGPFQGN 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



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