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, MFI7, MAC-1

PRODUCT SPECIFICATION

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

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

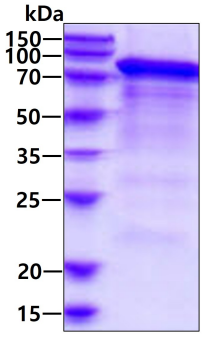
QECTKFKVSS CRECIESGPG CTWCQKLNFT GPGDPDSIRC DTRPQLLMRG CAADDIMDPT SLAETQEDHN GGQKQLSPQK VTLYLRPGQA AAFNVTFRRA KGYPIDLYYL MDLSYSMLDD LRNVKKLGGD LLRALNEITE SGRIGFGSFV DKTVLPFVNT HPDKLRNPCP NKEKECQPPF AFRHVLKLTN NSNQFQTEVG KQLISGNLDA PEGGLDAMMQ VAACPEEIGW RNVTRLLVFA TDDGFHFAGD GKLGAILTPN DGRCHLEDNL YKRSNEFDYP SVGQLAHKLA ENNIQPIFAV TSRMVKTYEK LTEIIPKSAV GELSEDSSNV VQLIKNAYNK LSSRVFLDHN ALPDTLKVTY DSFCSNGVTH RNQPRGDCDG VQINVPITFQ VKVTATECIQ EQSFVIRALG FTDIVTVQVL PQCECRCRDQ SRDRSLCHGK GFLECGICRC DTGYIGKNCE CQTQGRSSQE LEGSCRKDNN SIICSGLGDC VCGQCLCHTS DVPGKLIYGQ YCECDTINCE RYNGQVCGGP GRGLCFCGKC RCHPGFEGSA CQCERTTEGC LNPRRVECSG RGRCRCNVCE CHSGYQLPLC QECPGCPSPC GKYISCAECL KFEKGPFGKN CSAACPGLQL 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.