

## Integrin Beta 2 (ITGb2) Recombinant Protein | ITGb2 recombinant protein

Recombinant Integrin Beta 2 (ITGb2)

|                               |                       |                                                                           |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|
| CATALOG #<br><b>AAA134270</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Immunoprecipitation, ELISA, Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|

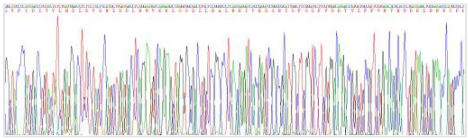
### PRODUCT SYNONYMS

Integrin Beta 2 (ITGb2); Recombinant Integrin Beta 2 (ITGb2); ITGb2 recombinant protein

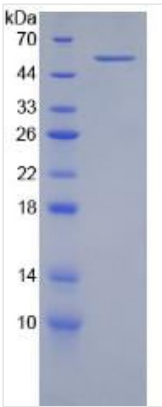
### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Purity/Purification                                   | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Form/Format                                           | Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sequence                                              | Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandMBP-t ag,itssequ enceislist edbelow. <b>MKIEEGKL VIWINGDKGY NGLAEVGKKF EKDTGIKVTV EHPDKLEEF PQVAATGDGP DIIFWAHDFR GGYAQSGLLA EITPDKAFQD KLYPFTWDAV RYNGKLIAYP IAVEALSLIY NKDLLPNPPK TWEEIPALDK ELKAKGKSAL MFNLQEPYFT WPLIAADGGY AFKYENGKYD IKDVGVNDAG AKAGLTFLVD LIKNKHMNAD TDYSIAEAAF NKGETAMTIN GPWAWSNIDT SKVNYGVTVL PTFKGQPSKP FVGVL SAGIN AASPKNELAK EFLNYLLTD EGLEAVNKDK PLGAVALKSY EEELAKDPRI AATMENAQKG EIMPNIQMS AFWYAVRTAV INAASGRQTV DEALKDAQTG STSGSGHHHH HHSAGLVPRG STAIGMKETA AAKFERQHMD SPD LGTLEVL FQGPLGSEF-DQSRDRSLCH GKGFLFCGIC RCDTG YIGKN CECQTQGRSS QELEGSCRKD NNSIICSGLG DCVCGQCLCH TSDVPGKLIY GQYCECDTIN CERYNGQVCG GPGRGLCF CG KCRCHPGFEG SACQCERTTE GCLNPRRVEC SGRGRRCNV CECHSGYQLP LCQECPGCPS PCGKYIS</b> |
| Sequence Length                                       | 769                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applicable Applications for ITGb2 recombinant protein | IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Organism                                              | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Expression System                                     | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Residues                                              | Asp451~Ser627 (Accession # P05107) with two N-terminal Tags, His-tag and MBP-tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Subcellular Location                                  | Membrane; Single-pass type I membrane protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Endotoxin Level                                       | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Predicted Isoelectric Point                           | 5.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Reconstitution                                        | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Preparation and Storage                               | Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.<br>Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.                                                                                                                                                                          |

IMAGES



Application Data



SDS-PAGE

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GYPIDLY YLMDLSYSML DDLRNKKLG
GDLLRALNEI TESGRIGFGS FVDKTVLPFV NTHPKLRNP CPNKEKECQP
PFAFRHVLKL TNNNQFQTE VGKQLISGML DAPEGGLDAM MQVAACPTEE
GWRNVTRLV FATDDGFHFA GDGKLGAILT PNDGRCHLED NLYKRSNEFD
YPSVGQLAHK LAENNIQIPF AVTSRMVKTY EKLTEIIPKS AVGELSESS
NVVQLIKNAY NKL
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Sequence

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 89191865                                                                                                                                                                                                                                                                                                                                                                     |
| NCBI GeneID                      | 3689                                                                                                                                                                                                                                                                                                                                                                         |
| NCBI Accession #                 | NP_000202.2                                                                                                                                                                                                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_000211.3                                                                                                                                                                                                                                                                                                                                                                  |
| UniProt Accession #              | P05107; Q16418; Q53HS5; Q9UD72; B3KTS8; D3DSM1                                                                                                                                                                                                                                                                                                                               |
| Molecular Weight                 | 65.8kDa                                                                                                                                                                                                                                                                                                                                                                      |
| NCBI Official Full Name          | integrin beta-2                                                                                                                                                                                                                                                                                                                                                              |
| NCBI Official Synonym Full Names | integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)                                                                                                                                                                                                                                                                                                           |
| NCBI Official Symbol             | ITGB2                                                                                                                                                                                                                                                                                                                                                                        |
| NCBI Official Synonym Symbols    | LAD; CD18; MF17; MFI7; LCAMB; LFA-1; MAC-1                                                                                                                                                                                                                                                                                                                                   |
| NCBI Protein Information         | integrin beta-2; integrin beta chain, beta 2; complement receptor C3 beta-subunit; complement receptor C3 subunit beta; leukocyte cell adhesion molecule CD18; leukocyte-associated antigens CD18/11A, CD18/11B, CD18/11C; cell surface adhesion glycoproteins LFA-1/CR3/p150,95 subunit beta; cell surface adhesion glycoprotein LFA-1/CR3/P150,959 beta subunit precursor) |
| UniProt Protein Name             | Integrin beta-2                                                                                                                                                                                                                                                                                                                                                              |
| UniProt Gene Name                | ITGB2                                                                                                                                                                                                                                                                                                                                                                        |
| UniProt Synonym Gene Names       | CD18; MFI7                                                                                                                                                                                                                                                                                                                                                                   |
| UniProt Entry Name               | ITB2_HUMAN                                                                                                                                                                                                                                                                                                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.