

## Integrin Beta 1 Recombinant Protein | ITGB1 recombinant protein

Recombinant Human Integrin Beta 1

CATALOG #  
AAA39084HOST  
E Coli

### PRODUCT SYNONYMS

Integrin Beta 1; Recombinant Human Integrin Beta 1; ITGB1 Human; Integrin Beta 1 Human Recombinant; Integrin beta-1; Fibronectin receptor subunit beta; Glycoprotein IIa; GPIIA; VLA-4 subunit beta; CD\_antigen: CD29; ITGB1; FNRB; MDF2; MSK12; Integrin beta 1; CD29; VLAB; ITGB1 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Purity/Purification     | Greater than 80% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Form/Format             | The ITGB1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Sterile filtered colorless solution.                                                                                                                                                                                                                                                                                                                                                                                     |
| Sequence                | MGSSHHH HHHSSGLVPR GSHMQT DENRCLKANA KSCGECIQAG PNCGWCTNST FLQEGMPTSA RCDDLEALKK KGCPDDIEN PRGSKDIKK KNVNTRSKGT AEKLPEDIT QIQPQLVLR LRSGEPTFT LKFKRAEDYP IDLYYLM DLS YSMKDDLENV KSLGTDLMNE MRRITSDFRI GFGSFVEKTV MPYISTTPAK LRNPCTSEQN CTSPFSYKNV LSLTNKGEVF NELVGKQRIS GNLDSPGGF DAIMQVAVCG SLIGWRNVTR LLVFSTDAGF HFAGDGKLG IVPNDGQCH LENNMYTMSH YYDYP SIAHL VQKLENNIQ TIFAVTEEFQ PVYKELKNLI PKSAVGTL SA NSSNVIQLII DAYNSLSSEV ILENGKLSEG VTISYKSYCK NGVNGTGENG RKCSNISIGD EVQFEISITS NKCPK KDS DS FKIRPLGFTE EVEVILQYI. |
| Sequence Length         | 798                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Preparation and Storage | Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time.<br>For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).<br>Avoid multiple freeze-thaw cycles.                                                                                                                                                                                                                                                                  |

### ADDITIONAL INFORMATION

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|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ITGB1 recombinant protein | <p><b>Description:</b> ITGB1 Human Recombinant produced in E Coli is a single polypeptide chain containing 462 amino acids (21-461) and having a molecular mass of 51.2 kDa. ITGB1 is fused to a 20 amino acid His-tag at N-terminus &amp; purified by proprietary chromatographic techniques.</p> <p><b>Introduction:</b> Integrins are heterodimeric proteins consist of alpha and beta subunits. There are more than 18 alpha and 8 beta subunits discovered in mammals. Integrin family members are membrane receptors that participates in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. ITGB1 encodes a beta subunit.</p> |
| Product Categories/Family for ITGB1 recombinant protein   | <a href="#">Recombinant &amp; Natural Proteins</a> ; <a href="#">Recombinant Proteins</a> ; <a href="#">Integrin</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

### NCBI AND UNIPROT INFORMATION

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|---------------------------|-----------------------------|
| NCBI GI #                 | <a href="#">19743813</a>    |
| NCBI GeneID               | <a href="#">3688</a>        |
| NCBI Accession #          | <a href="#">NP_002202.2</a> |
| NCBI GenBank Nucleotide # | <a href="#">NM_002211.3</a> |

|                                  |                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------|
| UniProt Accession #              | P05556; P78466; P78467; Q13089; Q13090; Q13091; Q13212; A8K6N2; D3DRX9; D3DRY3; D3DRY4; D3DRY5                 |
| NCBI Official Full Name          | integrin beta-1 isoform 1A                                                                                     |
| NCBI Official Synonym Full Names | integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)                   |
| NCBI Official Symbol             | ITGB1                                                                                                          |
| NCBI Official Synonym Symbols    | CD29; FNRB; MDF2; VLAB; GPIIA; MSK12; VLA-BETA                                                                 |
| NCBI Protein Information         | integrin beta-1; glycoprotein IIa; integrin VLA-4 beta subunit; very late activation protein, beta polypeptide |
| UniProt Protein Name             | Integrin beta-1                                                                                                |
| UniProt Gene Name                | ITGB1                                                                                                          |
| UniProt Synonym Gene Names       | FNRB; MDF2; MSK12; GPIIA                                                                                       |
| UniProt Entry Name               | ITB1_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.

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Online datasheet: <https://stage.aaabiotech.com/itgb1-recombinant-protein-e-coli/39084>