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**Product Data Sheet**


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Product Name: ITGB1 Human, Sf9  
 Cat. No.: GP23716  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Integrin beta-1; Fibronectin receptor subunit beta; Glycoprotein IIa; GPIIA; VLA-4 subunit beta; CD29; ITGB1; FNRB; MDF2; MSK12; Integrin beta 1; CD29; VLAB.		
Amino Acid Sequence	<p>QTDENRCLKA NAKSCGECIQ AGPNCGWCTN STFLQEGMPT SARCDLEAL        KKKGCPPDDI ENPRGSKDIK KNKNVTNRSK GTAELKLPED ITQIQPQQLV        LRLRSGEPQT FTLKFKRAED YPIDLYYLM LSYSMKDDLE NVKSLGTDLM        NEMRRITSDF RIGFGSFVEK TVMPYISTTP AKLRNPCTSE QNCTSPFSYK        NVLSLTNKGE VFNELVGKQR ISGNLDSPEG GFDAIMQVAV CGSLIGWRNV        TRLLVFSTDA GFHFAGDGKL GGIVLPNDGQ CHLENNMYTM SHYYDYPSIA        HLVQKLENN IQTIFAVTEE FQPVKELKN LIPKSAVGTL SANSSNVIQL        IIDAYNSLSS EVILENGKLS EGV TISYKSY CKNGVNGTGE NGRKCSNISI        GDEVQFEISI TSNKCPKKDS DSKIRPLGF TEEVEVILQY ICECECQSEG        IPESPKCHEG NGTFECGACR CNEGRVGRHC ECSTDEVNSE DMDAYCRKEN        SSEICSNNGE CVCGQCVCRK RDNTNEIYSG KFCECDNFNCDRSNGLICGG        NGVCKCRVCE CNPNYTGSA C DCSLDTSTCE ASNGQICNGR GICECGVCKC        TDPKFQGQTC EMCQTCLGVC AEHKECVQCR AFNKGEKKDT CTQECSYFNI        TKVESRDKLP QPVQDPVSH CKEKDVDCCW FYFTYSVNGN NEVMVHVVEN        PECPTGPDLE HHHHHH</p>		
Formulation	ITGB1 protein solution (1.0mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

**Introduction**

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. ITGB1 encodes a beta subunit.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

ITGB1 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 716 amino acids (1-728) and having a molecular mass of 79.4kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). ITGB1 is fused to an 8 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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