
Product Data Sheet

Product Name: ITGB1 Human
 Cat. No.: GP23715
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
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	MGSSHHHHHH SGLVPRGSH MQTDENRCLK ANAKSCGECI QAGPNCGWCT NSTFLQEGMP TSARCDDLEA LKKKGCPPDD IENPRGSKDI KKNKNVTNRS KGTAEKLPPE DITQIQPQQL VLRLRSQEPQ TFTLKFRAE DYPIDLYYLM DLSYSMKDDL ENVKSLGTDL MNEMRRITSDFRIGFGSFVE KTVMPYISTT PAKLRNPCTS EQNCTSPFSY KNVLSLTNKG EVFNELVGKQ RISGNLDSPE GGFDAIMQVA VCGSLIGWRN VTRLLVFSTD AGFHFAGDGK LGGIVLPNDG QCHLENNMYT MSHYYDYPSI AHLVQKLSN NIQTIFAVTE EFQPVYKELK NLIPKSAVGT LSANSSNVIQ LIIDAYNSLS SEVILENGKL SEGVTSYKS YCKNGVNGTG ENGRKCSNIS IGDEVQFEIS ITSNKCPKKD SDSFKIRPLG FTEEVEVILQ YI.		
Formulation	The ITGB1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea 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 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

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

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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 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 & purified by proprietary chromatographic techniques.

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