9051 Mira Mesa Blvd, #910094
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ITGB1 Human

Integrin Beta 1 Human Recombinant
RCP1135

Product Overview

Name	ITGB1 Human
Description	
Integrin Beta 1 Human Recombinant	
Accession (Primary)	P05556
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.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The ITGB1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
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.	
Purity	
Greater than 80% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MQTDENRCLK ANAKSCGECI QAGPNCGWCT NSTFLQEGMP TSARCDDLEA LKKKGCPPDD IENPRGSKDI KKNKNVTNRS KGTAEKLKPE DITQIQPQQL VLRLRSGEPQ TFTLKFKRAE DYPIDLYYLM DLSYSMKDDL ENVKSLGTDL MNEMRRITSD FRIGFGSFVE KTVMPYISTT PAKLRNPCTS EQNCTSPFSY KNVLSLTNKG EVFNELVGKQ RISGNLDSPE GGFDAIMQVA VCGSLIGWRN VTRLLVFSTD	

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AGFHFAGDGK LGGIVLPNDG QCHLENNMYT MSHYYDYPSI AHLVQKLSEN NIQTIFAVTE EFQPVYKELK NLIPKSAVGT LSANSSNVIQ LIIDAYNSLS SEVILENGKL SEGVTISYKS YCKNGVNGTG ENGRKCSNIS IGDEVQFEIS ITSNKCPKKD SDSFKIRPLG FTEEVEVILQ YI.

References

Title: Induction of Endothelial Cell Proliferation by Recombinant and Microparticle-Tissue Factor Involves b1-Integrin and Extracellular Signal Regulated Kinase Activation Publication: Arteriosclerosis, thrombosis, and vascular biology 30.9 (2010): 1810-1817. Link: ITGB1 prospec publication

Precautions

ITGB1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P05556)