

Integrin Beta 1 Human Recombinant

Item Number	rAP-3493
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.
Description	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.
Uniprot Accession Number	P05556
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MQTDENRCLK ANAKSCGECI QAGPNCGWCT NSTFLQEGMP TSARCDLEA LKKKGCPDD IENPRGSKDI KKNKNVTNRS KGTAELKPE DITQIQPQQL VLRLRSGEPQ TFTLKFKRAE DYPIDLYYLM DLSYSMKDDL ENVKSLGTDL MNEMRRITSDFRIGFGSFVE KTVMPYISTT PAKLRNPCTS EQNCTSPFSY KNVLSLTNKG EVFNELVGKQ RISGNLDSPE GGFDAIMQVA VCGSLIGWRN VTRLLVFSTD AGFHFAGDGK LGGIVLPNDG QCHLENNMYT MSHYDYPSI AHLVQKLSN NIQTIFAVTE EFQPVYKELK NLIPKSAVGT LSANSSNVIQ LIIDAYNSLS
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	The ITGB1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Greater than 80% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**