

Product datasheet for **AR51304PU-N**

CD29 / Integrin beta-1 (21-461, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CD29 / Integrin beta-1 (21-461, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MQTDENRCLK ANAKSCGECI QAGPNCGWCT NSTFLQEGMP TSARCDDLEA LKKKGCPPDD IENPRGSKDI KKNKNVTNRS KGTAELKPE DITQIQPQQL VLRLRSQEPQ TFTLKFRAE DYPIDLYLM DLSYSMKDDL ENVKSLGTDL MNEMRRITSD FRIGFGSFVE KTVMPYISTT PAKLRNPCTS EQNCTSPFSY KNVLSLTNKG EVFNELVGKQ RISGNLDSPE GGFDAIMQVA VCGSLIGWRN VTRLLVFSTD AGFHFAGDGK LGGIVLPNDG QCHLENNMYT MSHYDYPSI AHLVQKLSN NIQTIFAVTE EFQPVYKELK NLIPKSAVGT LSANSSNVIQ LIIDAYNSLS SEVILENGKL SEGV TISYKS YCKNGVNGTG ENGRKCSNIS IGDEVQFEIS ITSNKCPKKD SDSFKIRPLG FTEEVEVILQ YI
Tag:	His-tag
Predicted MW:	51.2 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ITGB1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_002202</u>
Locus ID:	3688



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UniProt ID: [P05556](#)

Cytogenetics: 10p11.22

Synonyms: Fibronectin receptor subunit beta, Integrin VLA-4 subunit beta, ITGB1, FNRB, MDF2, MSK12

Summary: Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. This gene encodes a beta subunit. Multiple alternatively spliced transcript variants which encode different protein isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC), Axon guidance, Cell adhesion molecules (CAMs), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hypertrophic cardiomyopathy (HCM), Leukocyte transendothelial migration, Pathogenic Escherichia coli infection, Pathways in cancer, Regulation of actin cytoskeleton, Small cell lung cancer

Product images:

