

# 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 MGSSHHHHHH SSGLVPRGSH MQTDENRCLK ANAKSCGECI QAGPNCGWCT NSTFLQEGMP or AA Sequence: TSARCDDLEA LKKKGCPPDD IENPRGSKDI KKNKNVTNRS KGTAEKLKPE DITQIQPQQL VLRLRSGEPQ TFTLKFKRAE DYPIDLYYLM DLSYSMKDDL ENVKSLGTDL MNEMRRITSD FRIGFGSFVE KTVMPYISTT PAKLRNPCTS EQNCTSPFSY KNVLSLTNKG EVFNELVGKQ RISGNLDSPE GGFDAIMQVA VCGSLIGWRN VTRLLVFSTD AGFHFAGDGK LGGIVLPNDG QCHLENNMYT MSHYYDYPSI AHLVQKLSEN NIQTIFAVTE EFQPVYKELK NLIPKSAVGT LSANSSNVIQ LIIDAYNSLS SEVILENGKL SEGVTISYKS 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. Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Storage: Avoid repeated freezing and thawing. Stability: Shelf life: one year from despatch. RefSeq: NP 002202 Locus ID: 3688



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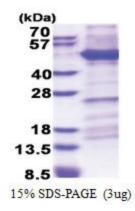
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### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

	CD29 / Integrin beta-1 (21-461, His-tag) Human Protein – AR51304PU-N
UniProt ID:	<u>P05556</u>
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 Pathway	s: 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:



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