



[Go to Product page](#)

Datasheet for ABIN7534299  
**ITGB1 Protein (His tag)**

### Overview

Quantity:	100 µg
Target:	ITGB1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITGB1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human ITGB1/CD29 Protein
Sequence:	MNLQPIFWIG LISSVCCVFA QTDENRCLKA NAKSCGECIQ AGPNCGWCTN STFLQEGMPT SARCDLEAL KKKGCPPDDI ENPRGSKDIK KNKNVTNRSK GTAELKPED ITQIQPQLV LRLRSGEPQT FTLKFKRAED YPIDLYYLM LSYSMKDDLE NVKSLGTDLM NEMRRITSDF RIGFGSFVEK TVMPYISTTP AKLRNPCTSE QNCTSPFSYK NVLSLTNKGE VFNELVGKQR ISGNLDSPEG GFDAIMQVAV CGSLIGWRNV TRLLVFSTDA GFHFAGDGKL GGIVLPNDGQ CHLENNMYTM SHYYDYPsia HLVQKLSENN IQTIFAVTEE FQPVYKELKN LIPKSAVGT SANSSNVIQL IIDAYNSLSS EVILENGKLS EGVTSYKSY CKNGVNGTGE NGRKCSNISI GDEVQFEISI TSNKCPK KDS DSKIRPLGF TEEVEVILQY ICECECQSEG IPESPKCHEG NGTFECGACR CNEGRVGRHC ECSTDEVNSE DMDAYCRKEN SSEICSNNGE CVCGQCVCCK RDNTNEIYSG KFCECDNFNC DRNGLICGG NGVCKCRVCE CNPNYTG SAC DCSLDTSTCE ASNGQICNGR GICECGVCKC TDPKFQGTQ EMCQTCLGVC AEHKECVQCR AFNKGEKKDT CTQECSYFNI TKVESRDKLP QPVQDPVSH CEKDVDDCW FYFTYSVNGN NEVMVHVVEN PECPTGPD

## Product Details

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Specificity:	Met1-Asp728
Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

## Target Details

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Target:	ITGB1
Alternative Name:	ITGB1/CD29 ( <a href="#">ITGB1 Products</a> )
Background:	<p>Description: Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrins not only transmit signals to cells in response to the extracellular environment (outside-in signaling), but also sense intracellular cues to alter their interaction with the extracellular environment (inside-out signaling). Integrin beta-1 can help to regulate cell proliferation, cytoskeletal reorganization, and gene expression. Research studies have integrin beta-1 integrin in various activities including embryonic development, blood vessel, skin, bone, and muscle formation, as well as tumor metastasis and angiogenesis.</p> <p>Name: CD29,FNRB,GPIIA,MDF2,MSK12,VLA-BETA,VLAB,Integrin beta 1,ITGB1,Integrin β1, Integrin-β1/CD29</p>
Gene ID:	3688
UniProt:	<a href="#">P05556</a>
Pathways:	<a href="#">Cell-Cell Junction Organization</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Signaling of Hepatocyte Growth Factor Receptor</a> , <a href="#">Integrin Complex</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is

## Handling

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recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

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Storage: -20 °C,-80 °C

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Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.  
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.