RP00232

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Recombinant Human ITGB1/CD29 Protein

Catalog No.: RP00232 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3688	P05556

Tags
C-His

Synonyms
CD29;FNRB;GPIIA;MDF2;MSK12;VLA-BETA;VLAB;Integrin beta 1;ITGB1;Integrin β1;Integrin-β1/CD29

Product Information

Source	Purification
HEK293 cells	> 90% by SDS-PAGE.

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

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

Contact

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Background

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.

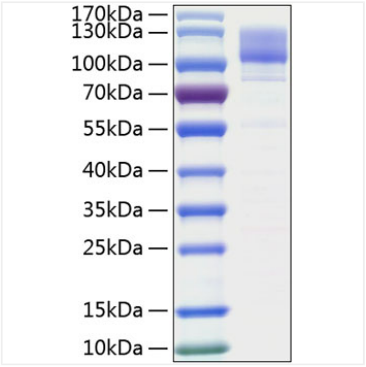
Basic Information

Description
Recombinant Human ITGB1/CD29 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Asp728) of human ITGB1/Integrin beta-1/CD29 (Accession #NP_002202.2) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human ITGB1/CD29 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.