Recombinant Human ITGB1/CD29 Protein

Catalog No.: RP00232

www.abclonal.com

Sequence Information

Species
Human

Gene ID
3688

Swiss Prot
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
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
81.41 kDa

Observed MW
100-130 kDa

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.

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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

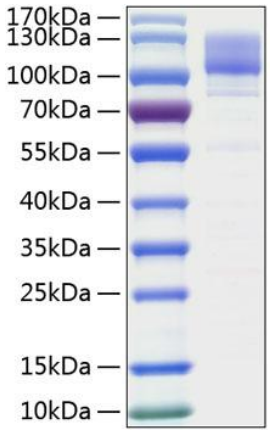
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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