

Recombinant Human Integrin alpha V beta 6 (ITGAV&ITGB6) Heterodimer Protein

Catalog No.: RP02712 Recombinant

Sequence Information

Species Gene ID Human 3685∏3694

Swiss Prot 4 P06756-1(ITG AV)&P18564-1(ITGB6)

Tags C-His&Avi

Synonyms

Integrin alpha V beta 6; ITGAV&ITGB6

Product Information

Source

Purification

HEK293 cells ≥ 95 % as determined

determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW Observed MW

114 kDa 90-150 kDa (ITGAV)&79.1 kDa

(ITGB6)

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Reconstitution

Centrifuge the tube 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

a	400-999-6126
\bowtie	cn.market@abclonal.com.cn
<u> </u>	www.abclonal.com.cn

Background

ITGAV&ITGB6 is a receptor for fibronectin and cytotactin. It recognizes the sequence R-G-D in its ligands. Internalisation of integrin alpha-V/beta-6 via clathrin-mediated endocytosis promotes carcinoma cell invasion . ITGAV&ITGB6 acts as a receptor for fibrillin-1 (FBN1) and mediates R-G-D-dependent cell adhesion to FBN1 .

Basic Information

Description

Recombinant Human Integrin alpha V beta 6 (ITGAV&ITGB6) Heterodimer Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Phe31-Val992(ITGAV) acidic tail&Gly22-Asn707(ITGB6) basic tail.

Bio-Activity

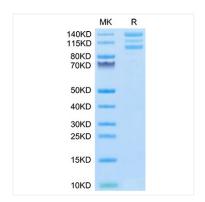
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

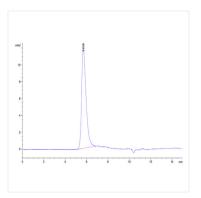
After reconstitution, the protein solution is stable at -20 $^{\circ}$ C for 3 months, at 2-8 $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

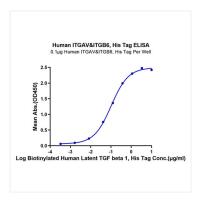
Validation Data



Recombinant Human Integrin alpha V beta 6 (ITGAV&ITGB6) Heterodimer Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human ITGAV&ITGB6 is greater than 95% as determined by SEC-HPLC.



Immobilized Human ITGAV&ITGB6, His Tag at 1 μ g/ml (100 μ l/well) on the plate. Dose response curve for Biotinylated Human Latent TGF beta 1, His Tag with the EC₅₀ of 0.10 μ g/ml determined by ELISA.