

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

Catalog No.: RP02712 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3685□3694	P06756-1(ITGAV)&P18564-1(ITGB6)

Tags

C-His&Avi

Synonyms

Integrin alpha V beta 6; ITGAV&ITGB6

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE□> 95% as determined by HPLC

Calculated MW	Observed MW
114 kDa (ITGAV)&79.1 kDa (ITGB6)	90-150 kDa

Endotoxin

Less than 1EU per µg by the 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

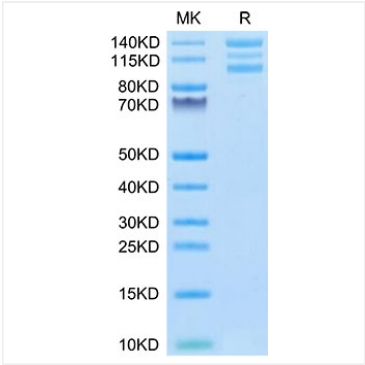
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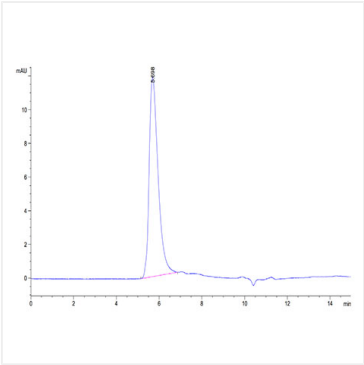
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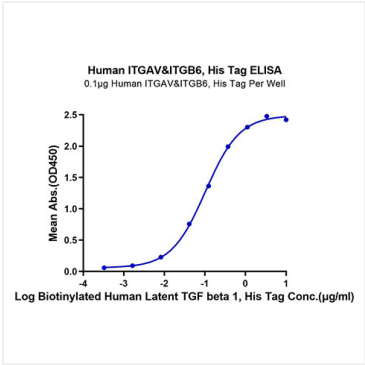
Validation Data



Human ITGAV&ITGB6 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.



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



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