

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

Catalog No.: RP02712

Sequence Information

Species **Gene ID**
Human 3685 & 3694

Swiss Prot **Tags**
P06756-1(ITGAV) C-His&Avi
&P18564-1
(ITGB6)

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) 90-150 kDa
&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 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.

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°C

Operational Notes

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

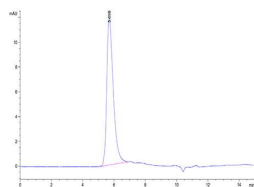
Contact

☎ | 400-999-6126

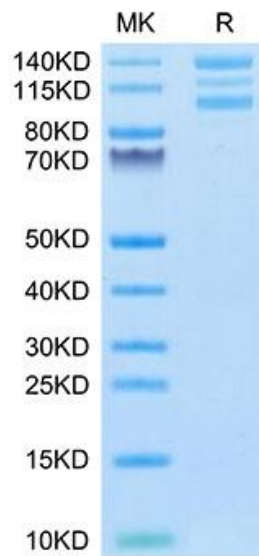
✉ | cn.market@abclonal.com.cn

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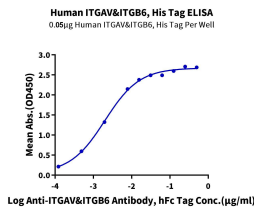
Validation Data



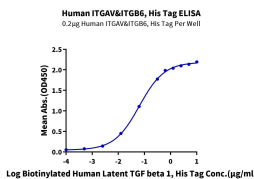
The purity of Human ITGAV&ITGB6 is greater than 95% as determined by SEC-HPLC.



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



Immobilized Human ITGAV&ITGB6, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-ITGAV&ITGB6 Antibody, hFc Tag with the EC50 of 2.0 ng/ml determined by ELISA.



Immobilized Human ITGAV&ITGB6, His Tag at 2 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Human Latent TGF beta 1, His Tag with the EC50 of 63.3 ng/ml determined by ELISA (QC Test).