

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

Catalog No.: RP02655 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse		P43406(ITGA V)&Q9Z0T9(ITGB6)

## Tags

C-His

## Synonyms

ITGAV&ITGB6 Integrin alpha V beta 6

## Product Information

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

## 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.

## Contact

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## 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

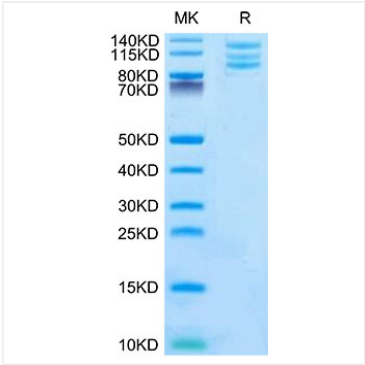
Recombinant Mouse Integrin alpha V beta 6 (ITGAV&ITGB6) Heterodimer Protein is expressed from Expi293 with His tag at the C-terminal. It contains Phe31-Val988(ITGAV) acidic tail&Gly22-Asn706(ITGB6) basic tail.

### Bio-Activity

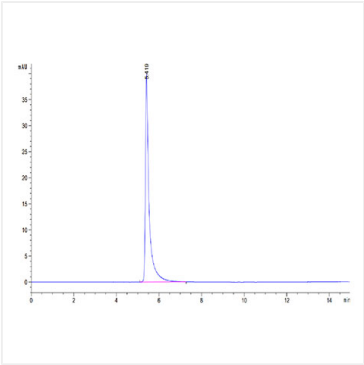
### Storage

Store the lyophilized protein at -20°C to -80°C for long term.  
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.

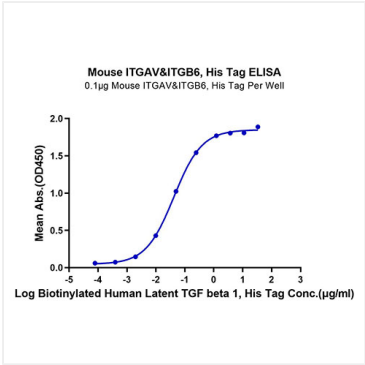
Validation Data



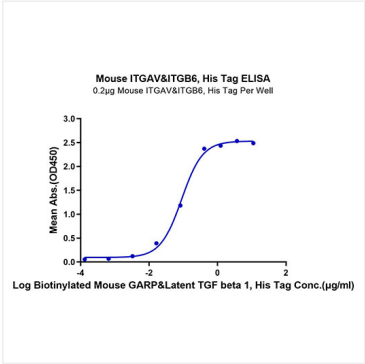
Mouse ITGAV&ITGB6 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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



Immobilized Mouse 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 EC<sub>50</sub> of 41.8ng/ml determined by ELISA.



Immobilized Mouse ITGAV&ITGB6, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Mouse GARP&Latent TGF beta 1 Complex, His Tag with the EC<sub>50</sub> of 89.3ng/ml determined by ELISA.