

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

Catalog No.: RP02655

Sequence Information

Species	Gene ID
Mouse	16410&16420
Swiss Prot	Tags
P43406(ITGAV) &Q9Z0T9(ITGB6)	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.

Calculated MW Observed MW

111.6 kDa 90-140 kDa
(ITGAV) & 79.2
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 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.

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

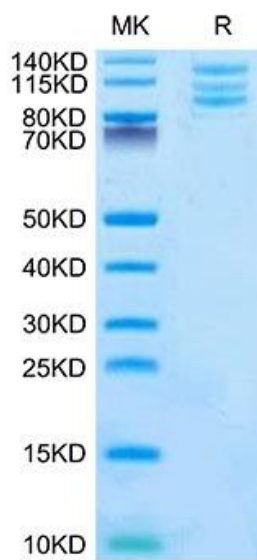
Operational Notes

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

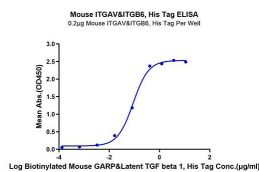
Contact

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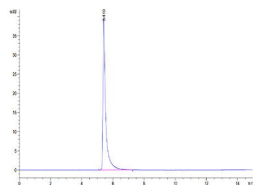
Validation Data



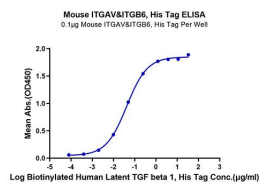
Recombinant Mouse Integrin alpha V beta 6 (ITGAV&ITGB6) Heterodimer Protein was determined by Tris-Bis PAGE under reducing conditions.



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 EC₅₀ of 89.3ng/ml determined by ELISA.



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 EC₅₀ of 41.8ng/ml determined by ELISA.