

Recombinant Human ITGAV/CD51&ITGB3/CD61 Protein

Catalog No.: RP02427 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3685&3690	P06756&P05106

Tags

C-His&Avi

Synonyms

Integrin alpha V beta 3; beta3; alphaV

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Calculated MW	Observed MW
114 kDa(ITGAV), 81.3 kDa(ITGB3)	85-140 kDa

Endotoxin

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

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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

Basic Information

Description

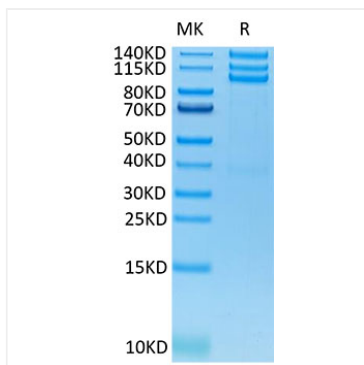
Recombinant Human Integrin ITGAV & ITGB3 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Phe31-Val992(P06756) acidic tail&GLy27-Asp718(P05106) basic tail) of Human Integrin ITGAV & ITGB3 fused with His tag and Avi tag at the C-terminal.

Bio-Activity

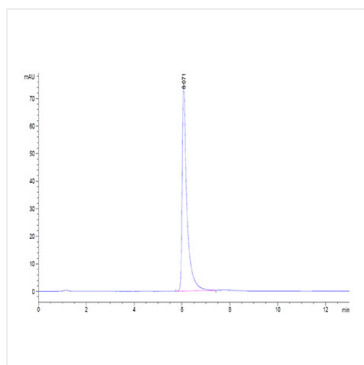
Storage

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.

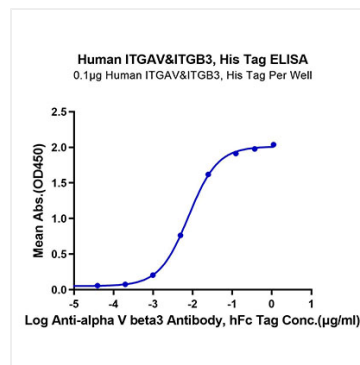
Validation Data



Human ITGAV&ITGB3 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.



The purity of Human ITGAV&ITGB3 is greater than 95% as determined by SEC-HPLC.



Immobilized Human ITGAV&ITGB3, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-alpha V beta3 Antibody, hFc Tag with the EC₅₀ of 7.9ng/ml determined by ELISA.