

Datasheet for ABIN7275063

ITGAV/ITGB6 Protein (AA 31-992) (His-Avi Tag)



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3 Images

Overview

Quantity:	100 µg
Target:	ITGAV/ITGB6
Protein Characteristics:	AA 31-992
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITGAV/ITGB6 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human Integrin alpha V beta 6 (ITGAV&ITGB6) Heterodimer Protein
Sequence:	Phe31-Val992(ITGAV) acidic tail & Gly22-Asn707(ITGB6) basic tail
Specificity:	Uni-Prot: P06756-1 (ITGAV), P18564-1 (ITGB6)
Characteristics:	Recombinant Human Integrin alpha V beta 6 (ITGAV&ITGB6) Heterodimer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Phe31-Val992(ITGAV) acidic tail & Gly22-Asn707(ITGB6) basic tail.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	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 56.4ng/ml

Product Details

determined by ELISA. See testing image for detail.

Target Details

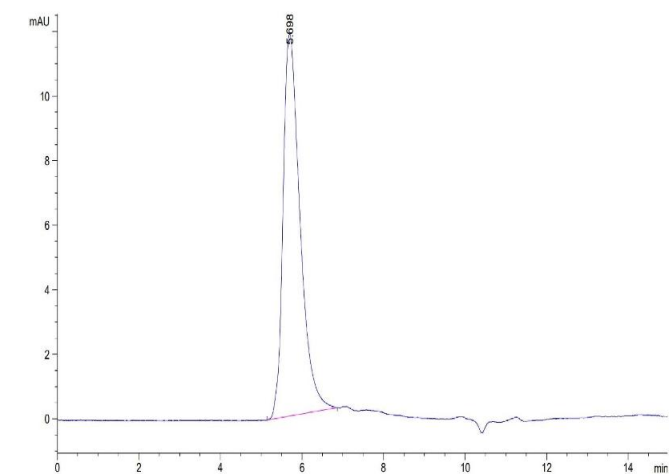
Target:	ITGAV/ITGB6
Alternative Name:	Integrin alpha V beta 6 (ITGAV & ITGB6) Heterodimer (ITGAV/ITGB6 Products)
Background:	ITGAV&ITGB6 is a receptor for fibronectin and cytotactin. It recognizes the sequence R-G-D in its ligands. Internalisation of integrin alpha-V/beta-6 via clathrin-mediated endocytosis promotes carcinoma cell invasion. ITGAV&ITGB6 acts as a receptor for fibrillin-1 (FBN1) and mediates R-G-D-dependent cell adhesion to FBN1.
Molecular Weight:	114 kDa (ITGAV)&79.1 kDa (ITGB6). Due to glycosylation, the protein migrates to 90-150 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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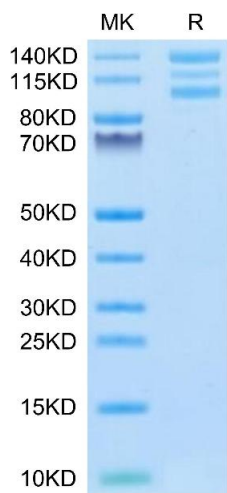
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

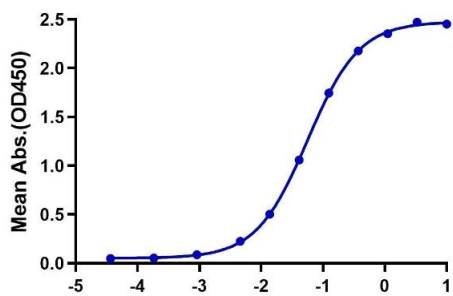
Image 1. The purity of Human ITGAV&ITGB6 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human ITGAV&ITGB6 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .

Human ITGAV&ITGB6, His Tag ELISA
0.1µg Human ITGAV&ITGB6, His Tag Per Well



ELISA

Image 3. Immobilized Human ITGAV&ITGB6, His Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Human Latent TGF beta 1, His Tag with the EC50 of 56.4 ng/mL determined by ELISA.

Log Biotinylated Human Latent TGF beta 1, His Tag Conc.(µg/ml)