



Datasheet for ABIN7275062

## ITGAV/ITGB5 Protein (AA 31-992) (His-Avi Tag,Biotin)



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### 3 Images

#### Overview

Quantity:	100 µg
Target:	ITGAV/ITGB5
Protein Characteristics:	AA 31-992
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITGAV/ITGB5 protein is labelled with His-Avi Tag,Biotin.

#### Product Details

Purpose:	Biotinylated Human Integrin alpha V beta 5 (ITGAV & ITGB5) Heterodimer Protein
Sequence:	Phe31-Val992 (ITGAV) acidic tail & Gly24-Asn719 (ITGB5) basic tail
Specificity:	Uni-Prot: P06756-1 (ITGAV), P18084 (ITGB5)
Characteristics:	Recombinant Biotinylated Human Integrin alpha V beta 5 (ITGAV & ITGB5) Heterodimer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Phe31-Val992(ITGAV) acidic tail & Gly24-Asn719(ITGB5) 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 Anti-alpha V Antibody, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human ITGAV&ITGB5, His Tag with the EC50 of 0.29ug/ml determined by

## Product Details

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ELISA. See testing image for detail.

## Target Details

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Target:	ITGAV/ITGB5
Alternative Name:	ITGAV&ITGB5 ( <a href="#">ITGAV/ITGB5 Products</a> )
Background:	Integrin ITGAV & ITGB5 is a type of integrin that binds to matrix macromolecules and proteinases and thereby stimulates angiogenesis. However, it inhibits angiogenesis. It consists of two components, integrin alpha V and integrin beta 5. Integrin ITGAV & ITGB5 is a receptor for fibronectin. It recognizes the sequence R-G-D in its ligand.(Microbial infection) Integrin ITGAV & ITGB5 acts as a receptor for adenovirus type C.
Molecular Weight:	114 kDa (ITGAV)&81.4 kDa (ITGB5). Due to glycosylation, the protein migrates to 85-140 kDa based on Tris-Bis PAGE result.

## Application Details

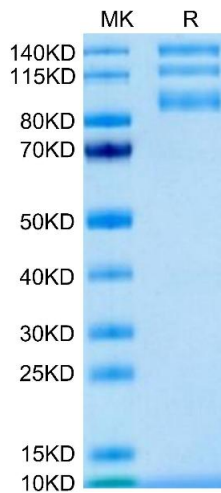
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Restrictions: For Research Use only

## Handling

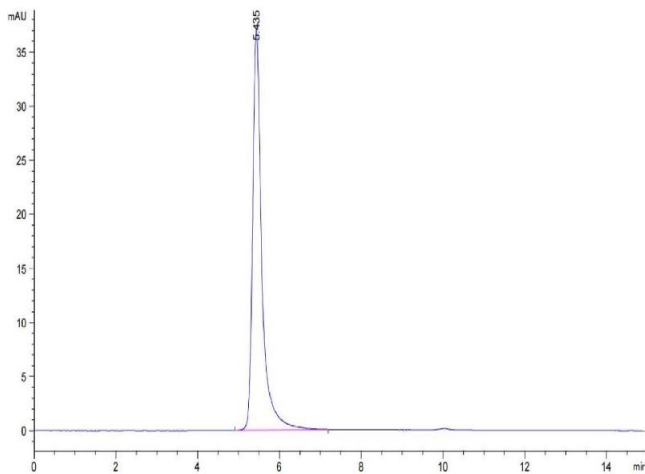
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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 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



### SDS-PAGE

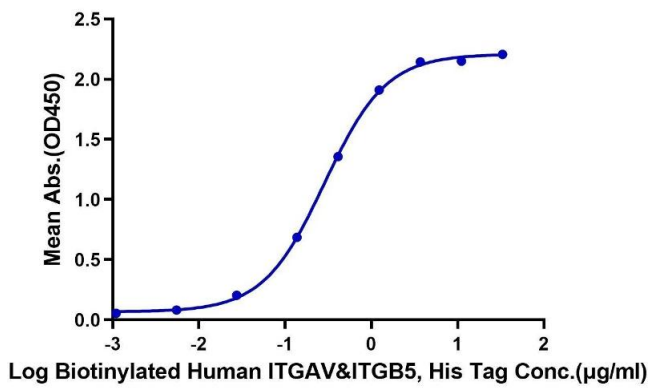
**Image 1.** Biotinylated Human ITGAV&ITGB5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Biotinylated Human ITGAV&ITGB5 is greater than 95 % as determined by SEC-HPLC.

**Biotinylated Human ITGAV&ITGB5, His Tag ELISA**  
0.1µg Anti-alpha V Antibody, hFc Tag Per Well



### ELISA

**Image 3.** Immobilized Anti-alpha V Antibody, hFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human ITGAV&ITGB5, His Tag with the EC50 of 0.29 µg/mL determined by ELISA.