

Datasheet for ABIN7275064

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



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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,Biotin. |

#### Product Details

|                              |  |
|------------------------------|--|
| Purpose:                     | Biotinylated 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 Biotinylated 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 Latent TGF beta 1, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human ITGAV&ITGB6, His Tag with the EC50 of 1.2µg/ml  |

## Product Details

determined by ELISA. See testing image for detail.

## Target Details

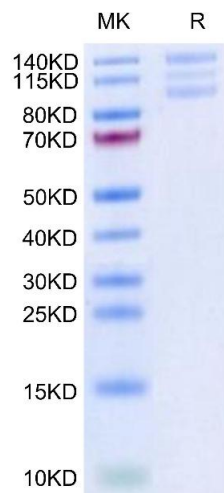
|                   |   |
|-------------------|---|
| Target:           | ITGAV/ITGB6   |
| Alternative Name: | Integrin alpha V beta 6 (ITGAV & ITGB6) Heterodimer ( <a href="#">ITGAV/ITGB6 Products</a> )  |
| Background:       | ITGAV&ITGB6 is a receptor for fibronectin and cytotactin. It recognizes 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 |
|---------------|-----------------------|

## Handling

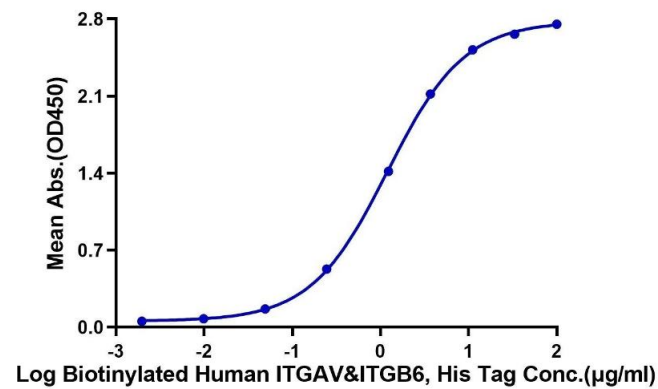
|                  |  |
|------------------|--|
| Format:          | Lyophilized  |
| Reconstitution:  | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.   |
| Buffer:          | Lyophilized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



SDS-PAGE

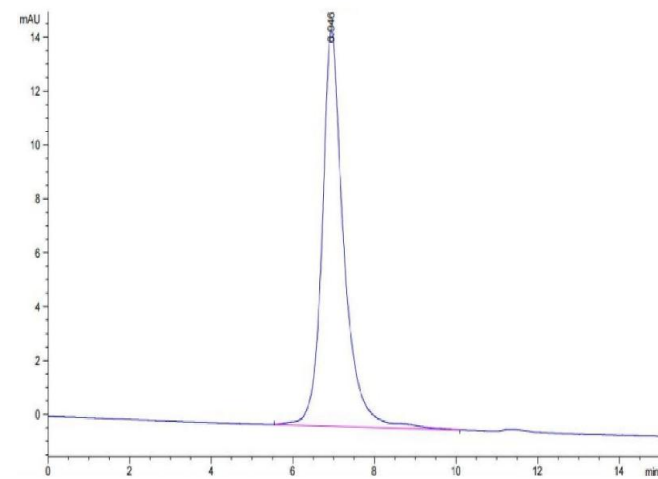
**Image 1.** Biotinylated Human ITGAV&ITGB6 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

**Biotinylated Human ITGAV&ITGB6, His Tag ELISA**  
0.2µg Human Latent TGF beta 1, His Tag Per Well



ELISA

**Image 2.** Immobilized Human Latent TGF beta 1, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human ITGAV&ITGB6, His Tag with the EC50 of 1.2 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 3.** The purity of Biotinylated Human ITGAV&ITGB6 is greater than 95 % as determined by SEC-HPLC.