

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Val992) of human ITGAV (P06756-1) was fused with a flag tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the extracellular domain (Met1-Asn707) of human ITGB6 (P22646) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the human ITGAV&ITGB6 heterodimer was purified.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Phe 31 & Gly 22

### Molecular Mass

The recombinant heterodimer of human

ITGAV&ITGB6 comprises 1731 (1003+728) amino acids and has a calculated molecular mass of 190.4 (111.1+79.3) KDa. As a result of glycosylation, the apparent molecular mass of human ITGAV&ITGB6 heterodimer is approximately 119 and 89-105 KDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

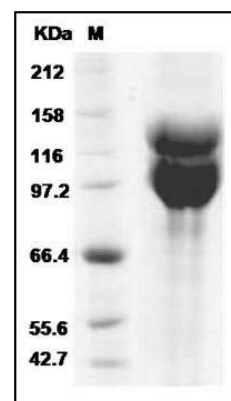
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human ITGA5 & ITGB6 Heterodimer Protein SDS-PAGE