

# Human ITGA6 & ITGB1 Heterodimer Protein



Sino Biological  
Biological Solution Specialist

Catalog Number: CT013-H2508H

## General Information

### Gene Name Synonym:

CD49f; ITGA6B; VLA-6

### Protein Construction:

A DNA sequence encoding the extracellular domain (Met 1-Ser 1011) of human ITGA6 isoform alpha-6X1B (P23229-3) was fused with a flag tag at the C-terminus, constructed the plasmid 1 ; A DNA sequence encoding the extracellular domain (Met 1-Asp 728) of human ITGB1 (P05556-1) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the heterodimer was purified

**Source:** Human

**Expression Host:** HEK293 Cells

## QC Testing

**Purity:** > 92 % as determined by SDS-PAGE

### Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** Phe 24 & Gln 21

### Molecular Mass:

The recombinant heterodimer of human ITGA6/ITGB1 comprises 1779 (1030 + 749) amino acids and has a calculated molecular mass of 198 (115 + 83) kDa. As a result of glycosylation, the apparent molecular mass of rh ITGA6/ITGB1 heterodimer is approximately 110 & 130 kDa in SDS-PAGE under reducing conditions

### Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

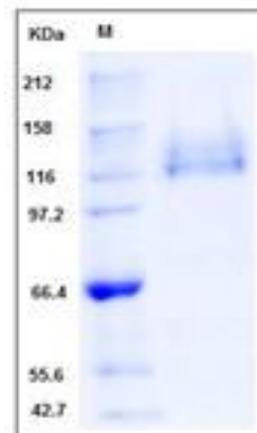
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



**Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.**

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