

# Human ITGA6 & ITGB4 recombinant protein (N-GST & His)



Catalog Number: 514906

## General Information

### 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-Ser 710) of human ITGB4 (CAA37656.1) 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

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> (38.3+44.4) % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg 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 & Asn 28

### Molecular Mass

The recombinant heterodimer of human ITGA6&ITGB4 comprises 1754 (1030 + 724) amino acids and has a calculated molecular mass of 196 (115 + 81) kDa.

### Formulation

Lyophilized from sterile PBS,pH 7.4.

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

## Usage Guide

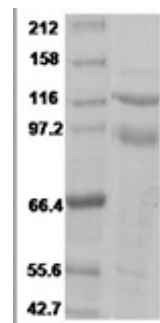
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

### SDS-PAGE



Human ITGA6 & ITGB4 Protein 14961