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℃

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

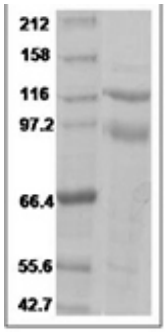
Storage

Store it under sterile conditions at -20℃ to -80℃. 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