Human ITGA8 & ITGB1 recombinant protein

Catalog Number: 504616

General Information

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Leu 1012) of human ITGA8 (P53708) 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

Organism

Human

Expression Host

Human Cells

QC Testing

Purity

> 90 % 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℃

Predicted N terminal

Phe 39 & Gln 21

Molecular Mass

The recombinant heterodimer of human ITGA8/ITGB1 comprises 1765 (1016 + 749) amino acids and has a calculated molecular mass of 196 (113 + 83) kDa. As a result of glycosylation, the apparent molecular mass of rh ITGA8/ITGB1 heterodimer is approximately 120 &140 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

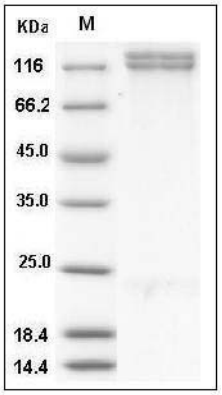
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 ITGA8 & ITGB1 Heterodimer Protein SDS-PAGE