

Human ITGA8 & ITGB1 Heterodimer Protein



Sino Biological
Biological Solution Specialist

Catalog Number: CT016-H2508H

General Information

Gene Name Synonym:

ITGA8 & ITGB1

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

Source: Human

Expression Host: HEK293 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 °C

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

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:

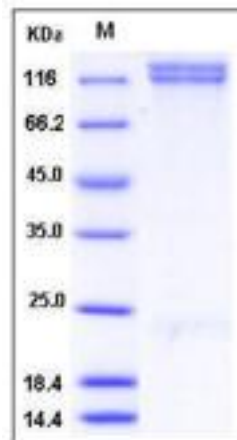
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



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