Human ITGA8 & ITGB1 Heterodimer Protein

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 & Gin 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.

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