Recombinant Human ITGA6 & ITGB1 protein(Met1-Ser1011 & Met1-Asp728), Flag&His-tagged

Cat. No. ITGA6 & ITGB1-1177H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA6 isoform alpha-6X1B (P23229-3)(Met 1-Ser 1011) was fused with a flag tag at the C-terminus, constructed the plasmid 1 ; Recombinant Human ITGB1 (P05556-1)(Met 1-Asp 728) 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 in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Ser1011 & Met1-Asp728
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant heterodimer of human ITGA6/ITGB1 comprises 1779 (1030 + 749) amino acids and has a calculated molecular mass of 198 (115 + 83) kDa. As a result of glycosylation, the apparent molecular mass of rh ITGA6/ITGB1 heterodimer is approximately 110 & 130 kDa in SDS-PAGE under reducing conditions
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 92 % as determined by SDS-PAGE

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	ITGA6 integrin, alpha 6 [Homo sapiens]
Official Symbol	ITGA6
Synonyms	ITGA6; integrin, alpha 6; integrin alpha-6; CD49f; integrin alpha6B; CD49 antigen-like family member F; VLA-6; ITGA6B; FLJ18737; DKFZp686J01244;
Gene ID	3655
mRNA Refseq	NM_000210
Protein Refseq	NP_000201
MIM	147556
UniProt ID	P23229

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