Recombinant Human ITGA5 & ITGB1 protein, Flag & His-tagged

Cat. No. ITGA5 & ITGB1-1945H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA5 & ITGB1 protein(P08648 & P05556-1)(Met1-Tyr995 & Met1-Asp728), fused with Flag & His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Tyr995 & Met1-Asp728
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Molecular Mass	The recombinant heterodimer of human ITGA5/ITGB1 comprises 1745 (996 + 749) amino acids and has a calculated molecular mass of 192 (109 + 83) kDa. As a result of glycosylation, the apparent molecular mass of rh ITGA5/ITGB1 heterodimer is approximately 120 &140 kDa in SDS-PAGE under reducing conditions
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C

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	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	ITGA5 integrin, alpha 5 (fibronectin receptor, alpha polypeptide) [Homo sapiens]
Official Symbol	ITGA5
Synonyms	ITGA5; integrin, alpha 5 (fibronectin receptor, alpha polypeptide); FNRA; integrin alpha-5; CD49e; VLA-5; integrin alpha-F; CD49 antigen-like family member E; fibronectin receptor subunit alpha; fibronectin receptor, alpha subunit; very late activation protein 5, alpha subunit; VLA5A;
Gene ID	3678
mRNA Refseq	NM_002205
Protein Refseq	NP_002196
MIM	135620
UniProt ID	P08648

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