

Active Recombinant Human ITGA8&ITGB1 protein, His-Avi-tagged, Biotinylated

Cat. No. ITGA8&ITGB1-1433H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human ITGA8&ITGB1 protein(Phe39-Leu1012(ITGA8)&Gln21-Asp728(ITGB1)), fused with His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	39-1012;21-728 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Fibronectin at 5 µg/mL (100 µL/well) can bind Biotinylated Human ITGA8 & ITGB1 Heterodimer Protein with a linear range of 0.078-2.5 µg/mL.
Molecular Mass	Biotinylated Human ITGA8&ITGB1 Heterodimer Protein, His,Avitag&Tag Free, produced by co-expression of ITGA8 and ITGB1, has a calculated MW of 116.4 kDa (ITGA8) and 83.7 kDa (ITGB1). Subunit ITGA8 is fused with an acidic tail at the C-terminus and followed by a polyhistidine tag and an Avi tag and subunit ITGB1 contains no tag but a basic tail at the C-terminus. The non-reducing (NR) protein migrates as 140-150 kDa (ITGA8) and 100-115 kDa (ITGB1) respectively due to glycosylation.

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Proteinlength	Phe39-Leu1012(ITGA8)&Gln21-Asp728(ITGB1)
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
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.
Conjugation	Biotin

GENE INFORMATION

Gene Name	ITGA8 integrin, alpha 8 [Homo sapiens]
Official Symbol	ITGA8
Synonyms	ITGA8; integrin, alpha 8; integrin alpha-8;
Gene ID	8516
mRNA Refseq	NM_003638
Protein Refseq	NP_003629
MIM	604063

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