

Recombinant Human ITGAL & ITGB2 Protein, His-Avi-tagged, Biotinylated

Cat. No. ITGAL & ITGB2-7130H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Biotinylated Human ITGAL & ITGB2 Heterodimer Protein is expressed from HEK293 cells. It contains AA Tyr 26 - Met 1089 (ITGAL) & Gln 23 - Asn 700 (ITGB2) (Accession # P20701-1 (ITGAL) & P05107-1 (ITGB2)). Subunit ITGAL is fused with an acidic tail at the C-terminus and followed by a polyhistidine tag and an Avi tag and subunit ITGB2 contains no tag but a basic tail at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	26-1089;23-700 a.a.
Predicted N Terminal	Tyr 26 (ITGAL) & Gln 23 (ITGB2)
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5, 10% trehalose.
Molecular Mass	Human ITGAL & ITGB2 Heterodimer Protein, produced by co-expression of ITGAL and ITGB2, has a calculated MW of 125.9 kDa (ITGAL) & 80.2 kDa (ITGB2).
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°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	
Official Symbol	ITGAL; ITGB2
Synonyms	Integrin alpha L beta 2, ITGAL & ITGB2