Recombinant Human ITGA6 & ITGB1 Protein, His-Avi-tagged, Biotinylated

Cat. No. ITGA6 & ITGB1-609H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human ITGA6 & ITGB1 Heterodimer Protein is expressed from HEK293 cells. It contains AA Phe 24 - Gly 1012 (ITGA6) & Gln 21 - Asp 728 (ITGB1) (Accession # P23229-2 (ITGA6) & P05556-1 (ITGB1)). Subunit ITGA6 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.
Species	Human
Source	HEK293
ProteinLength	24-1012;21-728 a.a.
Predicted N Terminal	Phe 24 (ITGA6) & Gln 21 (ITGB1)
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 150 mM NaCl, pH 7.5, 10% trehalose.
Molecular Mass	Human ITGA6 & ITGB1 Heterodimer Protein, produced by co-expression of ITGA6 and ITGB1, has a calculated MW of 117.0 kDa (ITGA6) and 84.0 kDa (ITGB1).
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 -70ºC.
Storage	For long term storage, the product should be stored at lyophilized state at -20ºC or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8ºC for 12 months in lyophilized state; -70ºC 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℃ before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Official Symbol	ITGA6; ITGB1
Synonyms	Integrin alpha 6 beta 1, ITGA6 & ITGB1

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