

Active Recombinant Human ITGA6&ITGB1 protein, His-tagged

Cat. No. ITGA6&ITGB1-0306H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA6&ITGB1 protein(Phe24-Gly1012(ITGA6)&Gln21-Asp728(ITGB1)), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	24-1012;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 Human ITGA6&ITGB1 Heterodimer Protein, His Tag&Tag Free at 5 µg/mL (100 µL/well) can bind Human Laminin 511 E8, Fc Tag with a linear range of 0.1-8 ng/mL.
Molecular Mass	The non-reducing (NR) protein migrates as 140-150 kDa (ITGA6) and 100-118 kDa (ITGB1) respectively due to glycosylation.
Proteinlength	Phe24-Gly1012(ITGA6)&Gln21-Asp728(ITGB1)
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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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.

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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