

Active Recombinant Human ITGA1&ITGB1 protein, His-tagged

Cat. No. ITGA1&ITGB1-0311H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA1&ITGB1 protein(Phe29-Pro1141(ITGA1)&Gln21-Asp728(ITGB1)), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	29-1141;21-728 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Collagen I protein at 2 µg/mL (100 µL/well) can bind Human ITGA1&ITGB1 Heterodimer Protein, His Tag&Tag Free with a linear range of 1-20 ng/mL.
Molecular Mass	The protein migrates as 170-200 kDa (ITGA1) and 100-130 kDa (ITGB1) under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Phe29-Pro1141(ITGA1)&Gln21-Asp728(ITGB1)
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% 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	ITGA1 integrin, alpha 1 [Homo sapiens]
Official Symbol	ITGA1
Synonyms	ITGA1; integrin, alpha 1; integrin alpha-1; CD49a; VLA1; VLA-1; laminin and collagen receptor; very late activation protein 1; CD49 antigen-like family member A;
Gene ID	3672
mRNA Refseq	NM_181501
Protein Refseq	NP_852478
MIM	192968
UniProt ID	P56199

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