

Active Recombinant Cynomolgus ITGAV&ITGB6 protein, His-tagged

Cat. No. ITGAV&ITGB6-1597C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus ITGAV&ITGB6 protein(Phe31-Pro993(ITGAV)&Gly22-Pro709(ITGB6)), fused with His tag, was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	31-993;22-709 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH8.0.
Bio-activity	Immobilized Cynomolgus ITGAV&ITGB6 Heterodimer Protein, His Tag&Tag Free at 5 µg/mL (100 µL/well) can bind Biotinylated Human Latent TGF-Beta 1, His,Avitag with a linear range of 0.2-10 ng/mL.Immobilized Fibronectin at 5 µg/mL (100 µL/well) can bind Cynomolgus ITGAV&ITGB6 Heterodimer Protein, His Tag&Tag Free with a linear range of 0.078-1.25 µg/mL.
Molecular Mass	Cynomolgus Integrin alpha V beta 6 (ITGAV&ITGB6) Heterodimer Protein, His Tag&Tag Free, produced by co-expression of ITGAV and ITGB6, has a calculated MW of 113.1 kDa (ITGAV) and 79.0 kDa (ITGB6). Subunit ITGAV is fused with an acidic tail at the C-terminus and followed by a polyhistidine tag and subunit ITGB6 contains no tag but a basic tail at the C-terminus. The predicted N-terminus is Phe 31 (ITGAV) & Gly 22 (ITGB6). The non-reducing (NR) protein migrates as 135-145 kDa

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(ITGAV) & 85-95 kDa (ITGB6) respectively due to glycosylation.

Proteinlength	Phe31-Pro993(ITGAV)&Gly22-Pro709(ITGB6)
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.

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