

Active Recombinant Rat ITGAV&ITGB5 protein, His-tagged

Cat. No. ITGAV&ITGB5-0280R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat ITGAV&ITGB5 protein(Phe31-Pro988(ITGAM)&Leu25-Asn719(ITGB5)), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	31-988;25-719 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 Vitronectin, Tag Free at 5 µg/mL (100 µL/well) can bind Rat ITGAV&ITGB5 Heterodimer, His Tag&Tag Free with a linear range of 0.02-0.156 µg/mL. Immobilized Biotinylated Human Vitronectin, Tag Free, primary amine labeling at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Rat ITGAV&ITGB5 Heterodimer, His Tag&Tag Free with a linear range of 0.078-0.625 µg/mL.
Molecular Mass	Rat ITGAV&ITGB5 Heterodimer, His Tag&Tag Free, has a calculated MW of 112.3 kDa (ITGAV) & 81.6 kDa (ITGB3). Subunit ITGAV is fused with an acidic tail at the C-terminus and followed by a polyhistidine tag and subunit ITGB3 contains no tag but a basic tail at the C-terminus.

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Proteinlength	Phe31-Pro988(ITGAM)&Leu25-Asn719(ITGB5)
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.

GENE INFORMATION

Gene Name	<i>Itgav</i> integrin, alpha V [<i>Rattus norvegicus</i>]
Official Symbol	ITGAV
Synonyms	ITGAV; integrin, alpha V; integrin alpha-V; Dnmt3l-ps1 pseudogene; Cd51;
Gene ID	296456
mRNA Refseq	NM_001106549
Protein Refseq	NP_001100019

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