Active Recombinant Rat ITGAV&ITGB8 protein, His-tagged

Cat. No. ITGAV&ITGB8-0166R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat ITGAV&ITGB8 protein(Phe31-Pro988&Gly22-Ser679), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	31-988;22-679 a.a.
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 150 mM NaCl,pH 7.5 with trehalose as protectant.
Bio-activity	Immobilized Rat Integrin alpha V beta 8 (ITGAV&ITGB8) Heterodimer, 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 0.2-13 ng/mL.Immobilized Rat Integrin alpha V beta 8 (ITGAV&ITGB8) Heterodimer, His Tag&Tag Free at 5 μg/mL (100 μL/well) can bind Biotinylated Human Vitronectin, Tag Free, primary amine labeling with a linear range of 0.1-3 ng/mL.
Molecular Mass	Rat ITGAV&ITGB8 Heterodimer Protein, His Tag&Tag Free, has a calculated MW of 113 kDa (ITGAV) & 77 kDa (ITGB8). Subunit ITGAV is fused with an acidic tail at the C-terminus and followed by a polyhistidine tag and subunit ITGB8 contains no tag but a basic tail at the C-terminus.
Proteinlength	Phe31-Pro988&Gly22-Ser679

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Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
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	Itgav integrin, alpha V [Rattus norvegicus]
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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