

## Active Recombinant Rat ITGAV&ITGB3 protein, His-tagged

**Cat. No.** ITGAV&ITGB3-0241R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat ITGAV&ITGB3 protein(Phe31-Pro988(ITGAM)&Ser27-Asp717(ITGB3)), fused with His tag, was expressed in HEK293.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	31-988;27-717 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in 50 mM Tris,150 mM NaCl,pH7.5 with trehalose as protectant.
<b>Bio-activity</b>	Immobilized Human Vitronectin, Tag Free at 5 µg/mL (100 µL/well) can bind Rat ITGAV&ITGB3 Heterodimer, His Tag&Tag Free with a linear range of 0.039-1.25 µg/mL.
<b>Molecular Mass</b>	Rat ITGAV&ITGB3 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.
<b>Proteinlength</b>	Phe31-Pro988(ITGAM)&Ser27-Asp717(ITGB3)
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.

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<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	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.
<b>Reconstitution</b>	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

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

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