

Recombinant Rat Itgav Protein, His-tagged

Cat. No. Itgav-1700R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Itgav Protein (Pro469-Leu918) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Pro469-Leu918
Description	Enables signaling receptor binding activity. Involved in several processes, including blood vessel morphogenesis; positive regulation of cell population proliferation; and positive regulation of cytosolic calcium ion concentration. Predicted to be located in several cellular components, including cell projection membrane; external side of plasma membrane; and focal adhesion. Predicted to be part of alphav-beta3 integrin-HMGB1 complex; alphav-beta3 integrin-IGF-1-IGF1R complex; and integrin complex. Used to study corneal neovascularization; coronary stenosis; and ischemia. Biomarker of hypertension. Human ortholog(s) of this gene implicated in abdominal aortic aneurysm and acute myeloid leukemia. Orthologous to human ITGAV (integrin subunit alpha V).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 54 kDa Accurate Molecular Mass: 46&27 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	<i>Itgav</i> integrin, alpha V [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	<i>Itgav</i>
Synonyms	ITGAV; integrin, alpha V; integrin alpha-V; Dnmt3l-ps1 pseudogene; Cd51;
Gene ID	296456
mRNA Refseq	NM_001106549
Protein Refseq	NP_001100019
UniProt ID	A0A0G2JVZ6

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