

Recombinant Mouse Itgav protein, His & T7-tagged

Cat. No. Itgav-6764M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Itgav aa. (Pro71~Asp322 (Accession # P43406)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Pro71~Asp322
Description	This gene encodes a protein that is a member of the integrin superfamily. Integrins are transmembrane receptors involved cell adhesion and signaling, and they are subdivided based on the heterodimer formation of alpha and beta chains. This protein has been shown to heterodimerize with beta 1, beta 3, beta 6 and beta 8. The heterodimer of alpha v and beta 3 forms the Vitronectin receptor. This protein interacts with several extracellular matrix proteins to mediate cell adhesion and may play a role in cell migration. In mouse, deficiency of this gene is associated with defects in vascular morphogenesis in the brain and early post-natal death.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.6kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.7.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Itgav integrin alpha V [Mus musculus (house mouse)]
Official Symbol	Itgav
Synonyms	CD51; 1110004F14Rik; 2610028E01Rik; D430040G12Rik; alpha v integrin; vitronectin receptor alpha polypeptide (VNRA); vitronectin receptor subunit alpha; integrin alpha-V
Gene ID	16410
mRNA Refseq	NM_008402.3

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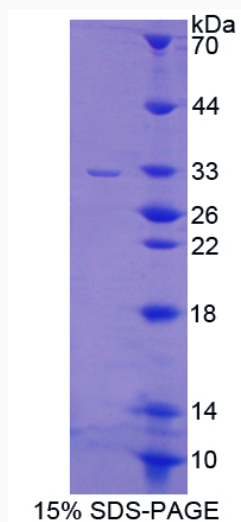
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Protein Refseq NP_032428.2

UniProt ID P43406

SDS-PAGE



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