

Recombinant Mouse Itga5 protein, His & GST-tagged

Cat. No. Itga5-6772M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Itga5 aa. (Glu899~Ala1053 (Accession # P11688)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Glu899~Ala1053
Description	The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes the integrin alpha 5 chain, which is proteolytically processed to generate light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signaling. Integrin alpha 5 and integrin alpha V chains are produced by distinct genes. Homozygous knockout mice for this gene exhibit embryonic lethality. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 50.0kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 8.7.
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	Itga5 integrin alpha 5 (fibronectin receptor alpha) [Mus musculus (house mouse)]
Official Symbol	Itga5
Synonyms	Fnra; VLA5; Cd49e; CD49 antigen-like family member E; fibronectin receptor alpha polypeptide; fibronectin receptor subunit alpha; integrin alpha-F; integrin alpha-5
Gene ID	16402
mRNA Refseq	NM_001314041.1

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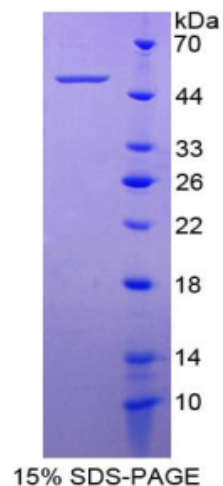
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Protein Refseq NP_001300970.1

UniProt ID P11688

SDS-PAGE



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