

Recombinant Mouse Itga6 protein, His & GST-tagged

Cat. No. Itga6-6767M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Itga6 aa. (Glu903~Ala1073 (Accession # Q61739)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Glu903~Ala1073
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 4 to bind laminin and to form the main component of hemidesmosomes, which mediate attachment of epithelia to basement membranes. In mouse, deficiency of this gene is associated with absence of hemidesmosomes, severe skin blistering, and early post-natal death. In humans mutations of this gene are associated with epidermolysis bullosa. Alternative splicing results in multiple transcript variants that encode different protein isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 52.0kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 8.4.
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% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Itga6 integrin alpha 6 [Mus musculus (house mouse)]
Official Symbol	Itga6
Synonyms	Cd49f; VLA-6; AI115430; 5033401O05Rik; CD49 antigen-like family member F; integrin alpha-6
Gene ID	16403

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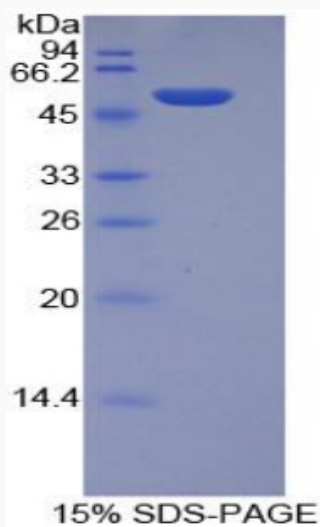
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mRNA Refseq [NM_001277970.1](#)

Protein Refseq [NP_001264899.1](#)

UniProt ID [Q61739](#)

SDS-PAGE



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