

Recombinant Mouse Itga6 Protein, His-tagged

Cat. No. Itga6-1698M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Itga6 Protein (Phe24-Asn479) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Phe24-Asn479
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: 53.9 kDa Accurate Molecular Mass: 56 kDa
Purity	> 80%

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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	Itga6 integrin alpha 6 [Mus musculus (house mouse)]
Official Symbol	Itga6
Synonyms	ITGA6; integrin alpha 6; integrin alpha-6; VLA-6; CD49 antigen-like family member F; Cd49f; AI115430; 5033401O05Rik;
Gene ID	16403
mRNA Refseq	NM_008397
Protein Refseq	NP_032423
UniProt ID	Q61739

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