

Recombinant Mouse Itga6 Protein, Myc/DDK-tagged

Cat. No. Itga6-3597M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length integrin alpha 6 (Itga6), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
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.
Molecular Mass	120.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Itga6 integrin alpha 6 [Mus musculus (house mouse)]
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Official Symbol	Itga6
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Synonyms	ITGA6; integrin alpha 6; integrin alpha-6; VLA-6; CD49 antigen-like family member F; Cd49f; AI115430; 5033401O05Rik
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Gene ID	16403
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mRNA Refseq	NM_008397
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Protein Refseq	NP_032423
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UniProt ID	Q8CC06
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