

Recombinant Human LAMA1 protein, His-tagged

Cat. No. LAMA1-2590H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LAMA1 aa. (Val2613~Phe2746) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val2613~Phe2746
Description	This gene encodes one of the alpha 1 subunits of laminin. The laminins are a family of extracellular matrix glycoproteins that have a heterotrimeric structure consisting of an alpha, beta and gamma chain. These proteins make up a major component of the basement membrane and have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Mutations in this gene may be associated with Poretti-Boltshauser syndrome.
Form	Freeze-dried powder
Molecular Mass	16kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	10mM PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	LAMA1 laminin subunit alpha 1 [Homo sapiens (human)]
Official Symbol	LAMA1
Synonyms	LAMA1; laminin subunit alpha 1; LAMA; PTBHS; S-LAM-alpha; laminin subunit alpha-1; S-LAM alpha; S-laminin subunit alpha; laminin A chain; laminin, alpha 1; laminin-3 subunit alpha
Gene ID	284217
mRNA Refseq	NM_005559.3

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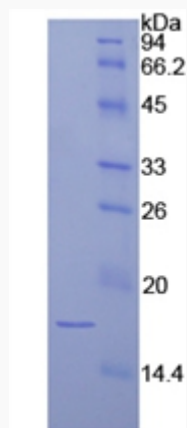
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Protein Refseq NP_005550.2

UniProt ID P25391

SDS-PAGE



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