

Recombinant Rat Lamb1 Protein, His-tagged

Cat. No. Lamb1-1729R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Lamb1 Protein (Phe549-His767) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Phe549-His767
Description	Predicted to enable enzyme binding activity; glycosphingolipid binding activity; and integrin binding activity. Predicted to be an extracellular matrix structural constituent. Predicted to be involved in several processes, including basement membrane assembly; neuronal-glia interaction involved in cerebral cortex radial glia guided migration; and substrate adhesion-dependent cell spreading. Predicted to act upstream of or within embryo implantation and neuron projection development. Located in collagen-containing extracellular matrix. Human ortholog(s) of this gene implicated in autistic disorder and lissencephaly 5. Orthologous to human LAMB1 (laminin subunit beta 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.5 kDa Accurate Molecular Mass: 29 kDa
Purity	> 90%

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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	Lamb1 laminin, beta 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Lamb1
Synonyms	LAMB1; laminin, beta 1; laminin subunit beta-1; laminin B1 subunit 1; Lamb1-1;
Gene ID	298941
mRNA Refseq	NM_001106721
Protein Refseq	NP_001100191
UniProt ID	D3ZQN7

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