

Recombinant Human LAMB1 Protein (1533-1782 aa), His-SUMO-tagged

Cat. No. LAMB1-2563H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LAMB1 Protein (1533-1782 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	1533-1782 aa
Description	Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. Involved in the organization of the laminar architecture of cerebral cortex. It is probably required for the integrity of the basement membrane/glia limitans that serves as an anchor point for the endfeet of radial glial cells and as a physical barrier to migrating neurons. Radial glial cells play a central role in cerebral cortical development, where they act both as the proliferative unit of the cerebral cortex and a scaffold for neurons migrating toward the pial surface.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	44.3 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	MPSTPQQLQNLTEDIRERVESLSQVEVILQHSAADIARAEMLLEEAKRASKSATDVK VTADMVKEALEEAEKAQVAAEKAQKQADEDIQGTQNLTSIESETAASEETLFNASQR ISELERNVEELKRKAAQNSGEAEYIEKVYTVKQSAEDVKKTLDGELDEKYKKVENLI AKKTEESADARRKAEMQLQNEAKTLLAQANSKLQLLKDALERKYEDNQRYLEDKAQE LARLEGEVRSLLKDAISQKVAVY
Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	LAMB1 laminin, beta 1 [Homo sapiens]
Official Symbol	LAMB1
Synonyms	LAMB1; laminin, beta 1; laminin subunit beta-1; laminin B1 chain; CLM; MGC142015;
Gene ID	3912
mRNA Refseq	NM_002291

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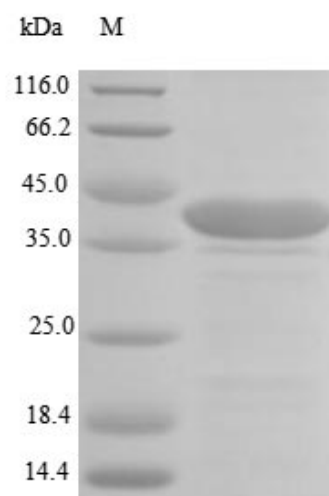
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Protein Refseq NP_002282

MIM 150240

UniProt ID P07942



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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