abcam

Product datasheet

Recombinant Human LAMB3 protein ab158811

1 Image

Description

Product name	Recombinant Human LAMB3 protein
Expression system	Wheat germ
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	AEGASEQALSAQEGFERIKQKYAELKDRLGQSSMLGEQG ARIQSVKTEAE ELFGETMEMMDRMKDMELELLRGSQAIMLRSADLTGLEK RVEQIRDHING RVLYYATC
Amino acids	1064 to 1171
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab158811** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA
Form	Liquid
Additional notes	

Preparation and Storage

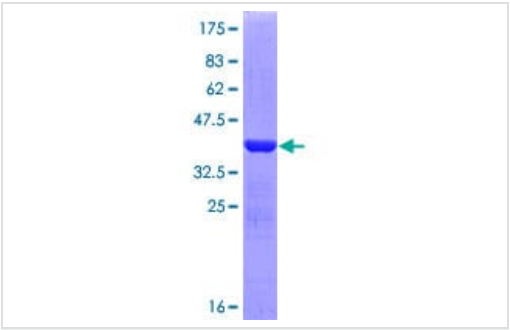
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

General info

Function	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.
Tissue specificity	Found in the basement membranes (major component).
Involvement in disease	Defects in LAMB3 are a cause of epidermolysis bullosa junctional Herlitz type (H-JEB) [MIM:226700]; also known as junctional epidermolysis bullosa Herlitz-Pearson type. JEB defines a group of blistering skin diseases characterized by tissue separation which occurs within the dermo-epidermal basement membrane. H-JEB is a severe, infantile and lethal form. Death occurs usually within the first six months of life. Occasionally, children survive to teens. H-JEB is marked by bullous lesions at birth and extensive denudation of skin and mucous membranes that may be hemorrhagic. Defects in LAMB3 are a cause of generalized atrophic benign epidermolysis bullosa (GABEB) [MIM:226650]. GABEB is a non-lethal, adult form of junctional epidermolysis bullosa characterized by life-long blistering of the skin, associated with hair and tooth abnormalities.
Sequence similarities	Contains 6 laminin EGF-like domains. Contains 1 laminin N-terminal domain.
Domain	The alpha-helical domains I and II are thought to interact with other laminin chains to form a coiled coil structure. Domain VI is globular.
Cellular localization	Secreted > extracellular space > extracellular matrix > basement membrane.

Images



SDS-PAGE - Recombinant Human LAMB3 protein (ab158811)

ab158811 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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