



Recombinant Human LAMB1 Protein Product Manual

1. Product Basic Information

Product No.: REP07320

Protein Name: Laminin, Beta Laminin B1 Chain (LAMB1)

Aliases: CLM; LIS5; LKBMH; LUCAO; laminin, beta laminin B1 chain; laminin subunit beta laminin subunit beta-1

UniProt ID: P07942

UniProt Link: <https://www.uniprot.org/uniprotkb/P07942/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (1533-1782aa)

Molecular Weight: 44.3 kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (1533-1782aa)

MPSTPQQQLQNLTEDIRERVESLSQVEVILQHSAAADIARAEMLLEEAKRASKSATDVK
VTADMVKEALEEAEKAQVAAEKAQKQADEDIQGTQNLTSIESETAASEETLFNASQ
RISELERNVEELKRKAAQNSGEAEYIEKVYTVKQSAEDVKKTLDGELDEKYKKVEN
LIAKKTEESADARRKAEMLQNEAKTLLAQANSKLQLLKDLERKYEDNQRYLEDKAQ
ELARLEGEVRSLLKDISQKVAVY

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human LAMB1 partial protein (1533-1782aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. LAMB1, also known as CLM or LIS5 or LKBMH, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.