



Recombinant Human LAMA5 Protein Product Manual

1. Product Basic Information

Product No.: REP07319

Protein Name: Laminin Alpha5-Chain (LAMA5)

Aliases: BBDS2; NPHS26; laminin alpha5-chain; laminin alpha-5 chain; laminin-11 subunit alpha; laminin-15 subunit alpha

UniProt ID: O15230

UniProt Link: <https://www.uniprot.org/uniprotkb/O15230/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (3401-3692aa)

Molecular Weight: 47.1kDa

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

2. Amino Acid Sequence (3401-3692aa)

FVAQMEGLGTRLRAQSRQRSRPRGRWHKVSVRWEKNRILLVTDGARAWSQEGPH
RQHQAELHPQPHTLFVGGLPASSHSSKLPVTVGFSGCVKRLRLHGRPLGAPTRMA
GVTPCILGPLEAGLFFPGSGGVITLDLPGATLPDVGLELEVRPLAVTGLIFHLGQART
PPYLQLQVTEKQVLLRADDGAGEFSTSVTRPSVLC DGQWHLAVMKSGNVLRLEV
DAQSNHTVGPLLAAAAGAPAPLYLGGLPEPMAVQPWPPAYCGCMRRLAVNRSPV
AMTRSVEVHGAVGASGC

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

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 LAMA5 partial protein (3401-3692aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. LAMA5, also known as BBDS2 or NPHS26 or laminin alpha5-chain, 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.