



Recombinant *Lolium perenne* LOLPIB Protein Product Manual

1. Product Basic Information

Product No.: REP07367

Protein Name: Major Pollen Allergen Lol P 5A (LOLPIB)

Aliases: major pollen allergen Lol p 5a

UniProt ID: Q40240

UniProt Link: <https://www.uniprot.org/uniprotkb/Q40240/entry>

Species Source: *Lolium perenne*

Expression System: E.coli

Protein Length: Full Length of Mature Protein (26-307aa)

Molecular Weight: 48.4kDa

Protein Tag: N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (26-307aa)

ADAGYTPAAAATPATPAATPAAAGGKATTDEQKLLLEDVNAGFKA AVAAAAANAPPAD
KFKIFEAAFSESSKGLLATSAAKAPGLIPKLDAYDVAYKAAEATPEAKYDAFVTALT
EALRVIAGALEVHAVKPATEEVLA AKIPTGELQIVDKIDAAFKIAATAANAAPTNDKFT
VFESAFNKALNECTGGAYETYKFIPSLEAAVKQAYAATVAAAPEVKYAVFEAALTKAI
TAMTQAQKAGKPAAAAATAAATVATAAATAAAVLPPPLL VVQSLISLLIYY

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

5. Product Description

This product is a recombinant Lolium perenne LOLPIB full length of mature protein protein (26-307aa) expressed in E.coli. The protein is dual-tagged with 10xHis-SUMO tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. LOLPIB, also known as major pollen allergen Lol p 5a, 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.