

# Recombinant strain ATCC 700396 / NCK56 / N2 / NCFM slpA Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08276

**Protein Name:** Complement C4A (slpA)

**Aliases:** complement C4A

**UniProt ID:** P35829

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P35829/entry>

**Species Source:** Lactobacillus acidophilus (strain ATCC 700396 / NCK56 / N2 / NCFM)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (25-444aa)

**Molecular Weight:** 51.7 kDa

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

## 2. Amino Acid Sequence (25-444aa)

AVSTVSAATTINASSAINTNTNAKYDVDVTPSVSAVAANTANNTPAIAGNLTGTISA  
SYNGKTYTANLKADTENATITAAGSTTAVKPAELAAGVAYTVTVNDVSFNFGSENA  
GKTVTLGSANSNVKFTGTNSDNQTEINVSTLKVKLDQNGVASLTNVSIAINVYAINTT  
DNSNVNFYDVTSGATVTNGAVSVNADNQGQVNVANVVAAINSKEYFAAQYADKCLN  
TRTANTEDAIKAALKDQKIDVNSVGYFKAPHTFTVNVKATSNTNGKSATLPVVVTVP  
NVAEPTVASVSKRIMHNAYYYDKDAKRVGTDSVKRYNSVSVLPNTTTINGKTYQQV  
VENGKAVDKYINAANIDGTRTKRLKHNAYVYASSKKRANKVVLKKGEVVTTYGASYTF  
KNGQKYYYKIGDNTDKTYVKVANFR

## 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).



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**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 strain ATCC 700396 / NCK56 / N2 / NCFM slpA full length of mature protein protein (25-444aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. slpA, also known as complement C4A, 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.