



Recombinant strain CFT073 / ATCC 700928 / UPEC clsA Protein Product Manual

1. Product Basic Information

Product No.: REP06488

Protein Name: Cardiolipin Synthase A (clsA)

Aliases: cardiolipin synthase A

UniProt ID: P0A6H8

UniProt Link: <https://www.uniprot.org/uniprotkb/P0A6H8/entry>

Species Source: Escherichia coli O6:H1 (strain CFT073 / ATCC 700928 / UPEC)

Expression System: E.coli

Protein Length: Partial (60-486aa)

Molecular Weight: 55.2 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (60-486aa)

ELHLGKRRRAERARAMWPSTAKWLNDLKACKHIFAEENSSVAAPLFKLCERRQGIAG
VKGNQLQLMTESDDVMQALIRDIQLARHNIEMVFYIWQPGGMADQVAESLMAAAR
RGIHCRLMLDSAGSVAFFRSPWPELMRNAGIEVVEALKVNLMRVFLRRMDLRQHR
KMIMIDNYIAYTGSMNMVDPYFKQDAGVGQWIDLMARMEGPIATAMGIIYSCDWEI
ETGKRILPPPPDVNIMPFEQASGHTIHTIASGPGFPEDLIHQALLTAAYSAREYLIMTT
PYFVPSDDLHAICTAAQRGVDVSIILPRKND SMLVGWASRAFFTELLAAGVKIYQFE
GGLLHTKSVLVDGELSLVGTVNLDMRSLWLNFEITLAIDDKGFGADLAQDDYISR
SRLLDARLWLKRPLWQRVAERLFYFFSPLL

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

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 CFT073 / ATCC 700928 / UPEC clsA partial protein (60-486aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. clsA, also known as cardiolipin synthase A, 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.