



Recombinant strain 536 / UPEC iscS Protein Product Manual

1. Product Basic Information

Product No.: REP07250

Protein Name: Cysteine Desulfurase Iscs (iscS)

Aliases: cysteine desulfurase IscS

UniProt ID: A8A336

UniProt Link: <https://www.uniprot.org/uniprotkb/A8A336/entry>

Species Source: Escherichia coli O6:K15:H31 (strain 536 / UPEC)

Expression System: E.coli

Protein Length: Full Length (1-404aa)

Molecular Weight: 65.1kDa

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

2. Amino Acid Sequence (1-404aa)

MKLPIYLDYSATTPVDPRVAEKMMQFMTMDGTFGNPASRSHRFGWQAEEAVDIAR
NQIADLVGADPREIVFTSGATESDNLAIKGAANFYQKKGKHIITSKTEHKAVLDTCRQ
LEREGFEVTYLAPQRNGIIDLKELEAAMRDDTILVSIMHVNNEIGVVQDIAAIGEMCR
ARGIYHVDATQSVGKLPIDLSQLKVDLMSFSGHKIYGPKGIGALYVRRKPRVRIEAQ
MHGGGHERGMRSGLTPVHQIVGMGEAYRIAKEEMATEMERLRGLRNRLWNGIKDI
EEVYLNGLDLEHGAPNILNVSFNYVEGESLIMALKDLAVSSGSACTSASLEPSYVLRA
LGLNDELAHSSIRFSLGRFTTEEEIDYTIELVRKISIGRLRDLSPWEMYKQGVDLNSI
EWAHH

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 strain 536 / UPEC iscS full length protein (1-404aa) 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. iscS, also known as cysteine desulfurase IscS, 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.