



Recombinant Mouse CTPS2 Protein Product Manual

1. Product Basic Information

Product No.: REP06588

Protein Name: Ctp Synthase Ctp Synthase II (CTPS2)

Aliases: CTP synthase CTP synthase II

UniProt ID: Q9NRF8

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9NRF8/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length (1-586aa)

Molecular Weight: 71.5 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-586aa)

MKYILVTGGVISGIGKGIIASSIGTILKSCGLRVTAIKIDPYINIDAGTFSPYEHGEVFVL
NDGGEVDLDLGNRYERFLDINLYKDNNITTGKIYQHVINKERRGDYLGKTVQVPHIT
DAIQEWMNQAKVSVDGNKEDPQICVIELGGTIGDIEGMAFVEAFRQFQFKAKKEN
FYNIHVSLVPQPSATGEQKTKPTQNSVRALRGLGLSPDLIVCRSSTPIEMAVKEKISM
FCHVNPEQVICIHDVSSIYRVPLLLLEEQGVVKYFQERLGLPINDCSSNLLFKWKAMA
DRYERLQKICSIALVGKYTKLRDCYASVFKALEHSALAINHKLNLMYIDSIDLEPVTKA
EDPVKFHEAWQKLCLADGILVPGGFGIRGTLGKLQAISWARTKKIPFLGICLGMQLA
VIEFARNCLNLKDANSTEFEPNTPVPLVIDMPEHNPGDLGGTMRLGLRRTVFTTENS
ILKKLYGDVPYIEERHRHRYEVNPNLINQFENKDLCFVGEDVDGKRMEIVELTSHPY
FIGVQFHPEFSSRPMKPSPPYLGLLLAATGNLNAHLQQMNKLPYSDGYSDASDDSF
PEAKLAELDLN

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 Mouse CTPS2 full length protein (1-586aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. CTPS2, also known as CTP synthase CTP synthase II, 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.