



Recombinant Human CTPS1 Protein Product Manual

1. Product Basic Information

Product No.: REP06587

Protein Name: Cytidine 5'-Triphosphate Synthetase (CTPS1)

Aliases: CTPS; GATD5; IMD24; GATD5A; cytidine 5'-triphosphate synthetase; cytidine 5-prime triphosphate synthetase

UniProt ID: P17812

UniProt Link: <https://www.uniprot.org/uniprotkb/P17812/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length (1-591aa)

Molecular Weight: 68.7kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-591aa)

MKYILVTGGVISGIGKGIIASSVGTLKSCGLHVTSIKIDPYINIDAGTFSPYEHGEVFVL
DDGGEVDLDLGNYERFLDIRLTKDNNLTGKIYQYVINKERKGDYLGKTVQVPHIT
DAIQEWVMRQALIPVDEEDGLEPQVCVIELGGTVGDIESMPFIEAFRQFQFKVKRENF
CNIHVSLVPQPSSTGEQKTKPTQNSVRELRLGLSPDLVVCRCNPLDTSVKEKIS
MFCHVEPEQVICVHDVSSIYRVPLLEEQQGVVDYFLRRDLPIERQPRKMLMKWKE
MADRYDRLLTCSIALVGKYTKFSDSYASVIKALEHSALAINHKLEIKYIDSADLEPITS
QEEPVRVYHEAWQKLCSAHGVLVPGGFGVRGTEGKIQAIAWARNQKKPFLGVCLG
MQLAVVEFSRNVLGWQDANSTEFDPPTTSHPVVDMPEHNPGQMGGTMRLGKRR
TLFQTKNSVMRKLYGDADYLEERHRHRFEVNPVWKKCLEEQGLKFVGQDVEGER
MEIVELEDHPFFVGVQYHPEFLSRPIKPSPPYFGLLLASVGRLSHYLQKGCRLSPRD
TYSDRSGSSSPDSEITELKFPSINH

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).

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 Human CTPS1 full length protein (1-591aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. CTPS1, also known as CTPS or GATD5 or IMD24, 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.