



Recombinant Mouse CPS1 Protein Product Manual

1. Product Basic Information

Product No.: REP06536

Protein Name: Carbamoyl-Phosphate Synthase 1, Mitochondrial (CPS1)

Aliases: PHN; CPS1D; GATD6; CPSASE1; carbamoyl-phosphate synthase 1, mitochondrial

UniProt ID: P31327

UniProt Link: <https://www.uniprot.org/uniprotkb/P31327/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Partial (551-743aa)

Molecular Weight: 26.8 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (551-743aa)

SDKLNEINEKIAPSFIVESMEDALKAADTIGYPVMIRSAYALGGLGSGICPNKETLIDL
GTKAFAMTNQILVERSVTGWKEIEYEVVRDADDNCVTVCNMENV DAMGVHTGDSV
VVAPAQTL SNAEFQMLRRTSVNVVRHLGIVGECNIQFALHPTSMEYCII EVNARLSR
SSALASKATGYPLAFIAAKIAL

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 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

5. Product Description

This product is a recombinant Mouse CPS1 partial protein (551-743aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. CPS1, also known as PHN or CPS1D or GATD6, 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.