

## Recombinant CTP synthase 2 (CTPS2)

Catalog No.: TP11377

100µg

### Sequence Information

**Species:** Human

**Gene ID:**56474

**Swiss Prot:**Q9NRF8

**Synonyms:**PYRG2

**Residues:**Met1-Ser586

MKYILVTGGVISGIGKGIIASSIGTILKSCGLRVTAIKIDPYINIDAGTFSPYE  
HGEVFVLNDGGEVDLDLGNRYERFLDINLYKDNNITTKGIYQHVINKERRGDYLG  
KTVQVVPHITDAVQEWMNQAKVPVDGNKEEPQICVIELGGTIGDIEGMPFVEA  
FRQFQFKAKRENFCNIHVS LVPQLSATGEQKTKPTQNSVRALRGLGLSPDLIVC  
RSSTPIEMAVKEKISMFCHVNPEQVICIHDVSSTYRVPVLL EEQSIVKYFKERL  
HLPIGDSASNLLFKWRNMADRYERLQKICSIALVGKYTKLRDCYASVFKALEHS  
ALAINHKLNLMYIDSIDLEKITETEDPVKFHEAWQKLCKADGILVPGGFGIRGT  
LGKLQAISWARTKKIPFLGVCLGMQLAVIEFARNCLNLKADSTEFARNAPVPL  
VIDMPEHNPGNLGGTMRLGIRRTVFKTENSILRKLYGDVPFIEERHRHREFVNP  
NLIKQFEQNDLSFVGQDVGDRMEIIELANHPYFVGQVFHPEFSSRPMKPSPPY  
LGLLLAATGNLNAYLQQGCKLSSSDRYSDASDDSFSEPRIAELEIS

### Product Information

**Source:** Recombinant expression.

**Host:** *E.coli*

**Tags:** N-terminal His and GST Tag

**Subcellular Location:** Cytoplasm.

**Purity:** >90%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Original Concentration:** 200µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 6.9

**Predicted Molecular Mass:** 90.7kDa

**Accurate Molecular Mass:** 91kDa as determined by SDS-PAGE reducing conditions.

## [ USAGE ]

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

## [ STORAGE AND STABILITY ]

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## [ IDENTIFICATION ]

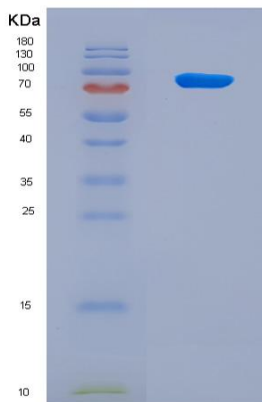


Figure 1. SDS-PAGE

## [ IMPORTANT NOTE ]

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.