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Datasheet for ABIN1610904

## CTP Synthase Protein (CTPS) (AA 1-447) (His tag)

### Overview

Quantity:	1 mg
Target:	CTP Synthase (CTPS)
Protein Characteristics:	AA 1-447
Origin:	Chinese Hamster
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTP Synthase protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	DPYINIDAGT FSPYEHGEVF VLDDGGEVDL DLGNYERFLD IRLTKDNNLT TGKIYQYVIN KERKGDYLGK TVHVPHITD AIQRWVMRQA LIPVDEGLE PQVCVIELGG TVGDIESMPF IEAFRQFQFK VKRENFCAIH VSLVPQPSST GEQTKKPTQN SVRELRLGLL SPDLVVCRCR NPLDTSVKEK ISMFCHVEPE QVICVHDVSS IYRVPLLEE QGVVDYFLRS LELPIERQSR KMLMKWKEMA DRYDRLLETG SIALVGKYTK LSDSYASVIK ALEHSALAIN HKLEIKYIDS TDLEPSTLQE EPVRYHEAWQ KLCSAHGVLV PGGFGVRGTE GKIQAIAWAR KQKKPFLGVC LGMQLAVVEF SRNVLGWQDA NSTEFDPKTS HPVVIDMPEH NPGQMGGTMR LGKSRTLFTQ KNSVMSKLYG DTDYLEERHR HRFEVNP
Specificity:	Cricetulus griseus (Chinese hamster) (Cricetulus barabensis griseus)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

## Product Details

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Purity: > 90 %

## Target Details

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Target: CTP Synthase (CTPS)

Alternative Name: CTP synthase 1 (CTPS) ([CTPS Products](#))

Background: Recommended name: CTP synthase 1.  
EC= 6.3.4.2.  
Alternative name(s): CTP synthetase 1 UTP--ammonia ligase 1

UniProt: [P50547](#)

Pathways: [Proton Transport](#), [Ribonucleoside Biosynthetic Process](#)

## Application Details

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Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

## Handling

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.