

## Product datasheet for **TP509211**

### Ctps (NM\_016748) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cytidine 5'-triphosphate synthase (Ctps), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209211 representing NM_016748 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MKYILVTGGVISGIGKGVIASSVGTILKSCGLHVTSIKIDPYINIDAGTFSPYEHGEVFLDDGGGEVDLD  
LGNYERFLDIRLTKDNNLTTGKIYQYVINKERKGDYLGKTVQVVPHTDAIQEWVMRQALIPVDEDEGLEP  
QVCVIELGGTVGDIESMPFIEAFRQFQFKVKRENFNCNIHVSLVPQPSSTGEQKTKPTQNSVRELRLGLS  
PDLVVCRCSNPLDTSVKEKISMFCHEVEPEQVICVHDVSSIYRVPLLLLEEQGVVDYFLRRLDLPIERQSRK  
MLMKWKEMADRYDRLLLETCSIALVGKYTKFSDSYASVIKALEHSALAINHKLEIKYIDSTDLEPSTLQEE  
PVRYHEAWQKLCSAHGVLVPGGFGVARGTEGKIQAIAWARKQKKPFLGVCLGMQLAVVEFSRNVLWQDAN  
STEFDPKTSHPVIDMPEHNPGQMGGTMRGKRRTLFQTKNSVMRKLGDYLEERHRHRFEVNPVLKK  
CLEEQGLKFGVGDVEGERMEIVELEDHPFFVGVQYHPEFLSRPIKSPPPYFGLLLASVGRPLPHYLQKGCGR  
LSPRDYSDRSGSSSPDSEITELKFPSISQD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	67.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_058028](#)

Locus ID: 51797

UniProt ID: [P70698](#)

RefSeq Size: 2726

Cytogenetics: 4 56.52 cM

RefSeq ORF: 1773

Synonyms: Ctps1

**Summary:** This enzyme is involved in the de novo synthesis of CTP, a precursor of DNA, RNA and phospholipids. Catalyzes the ATP-dependent amination of UTP to CTP with either L-glutamine or ammonia as a source of nitrogen. This enzyme and its product, CTP, play a crucial role in the proliferation of activated lymphocytes and therefore in immunity.[UniProtKB/Swiss-Prot Function]