

## Product datasheet for TP509150

### Ctps2 (NM\_018737) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cytidine 5'-triphosphate synthase 2 (Ctps2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209150 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MKYILVTGGVISGIGKGIASSIGTILKSCGLRVTAIKIDPYINIDAGTFSPYEHGEVFLNDGGGEVDLD  
 LGNYERFLDINLYKDNNITGKIYQHVINKERRGDYLGKTVQVPHITDAIQEWMNQAKVSDGNKEDP  
 QICVIELGGTIGDIEGMAFVEAFRQFQFKAKKENFYNIHVSLVPQPSATGEQKTKPTQNSVRALRGLGLS  
 PDLIVCRSSTPIEMAVKEKISMFCNVNPEQVICIHDVSSIYRVPLLLLEEQGVVKYFQERLGLPINDCSSN  
 LLFKWKAMADRYERLQKICSIALVGKYTKLRDCYASVFKALEHSALAINHKLNLMYIDSIDLEPVTKAED  
 PVKFHEAWQKLCLADGILVPGGFGIRGTLGKQLAISWARTKKIPFLGICLGMQLAVIEFARNCLNLKDAN  
 STEFEPNTPVPLVIDMPEHNPGDLGGTMRLGLRRTVFTTENSILKKLYGDVPYIEERHRHRYEVNPNLIN  
 QFENKDLFCVGEDVDGKRMEIVELTSHPYFIGVQFHPEFSSRPMKPSPPYLGLLLAATGNLNAHLQQMNK  
 LPYSDGYSDASDDSFPEAKLAELDLN

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	65.5 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\\_061207](#)

Locus ID: 55936

UniProt ID: [P70303](#)

RefSeq Size: 5606

Cytogenetics: X F4

RefSeq ORF: 1761

Synonyms: A830031M15Rik; A1326475; Ctpsh

**Summary:** Catalyzes the ATP-dependent amination of UTP to CTP with either L-glutamine or ammonia as the source of nitrogen. Constitutes the rate-limiting enzyme in the synthesis of cytosine nucleotides (By similarity).[UniProtKB/Swiss-Prot Function]