

Recombinant Mouse Ctps2 Protein, Myc/DDK-tagged

Cat. No. Ctps2-2365M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cytidine 5'-triphosphate synthase 2 (Ctps2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	65.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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Gene Name	Ctps2 cytidine 5'-triphosphate synthase 2 [Mus musculus (house mouse)]
Official Symbol	Ctps2
Synonyms	CTPS2; cytidine 5-triphosphate synthase 2; CTP synthase 2; CTP synthetase 2; UTP--ammonia ligase 2; CTP synthetase homolog; cytidine triphosphate synthase II; Ctpsh; AI326475; A830031M15Rik
Gene ID	55936
mRNA Refseq	NM_018737
Protein Refseq	NP_061207
UniProt ID	P70303

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