

CTP synthase 2 (Ctps2) Recombinant Protein | Ctps2 recombinant protein

Recombinant Mouse CTP synthase 2 (Ctps2)

CATALOG #
AAA113230

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

CTP synthase 2 (Ctps2); Recombinant Mouse CTP synthase 2 (Ctps2); Ctps2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-586aa; Full Length
Sequence	MKYILVTGGV ISGIGKGIIA SSIGILKSC GLRVTAIKID PYINIDAGTF SPYEHGEV FV LNDGGEVDLD LGNYERFLDI NLYKDNNITT GKIYQHVINK ERRGDYLGKT VQVPHITDA IQEWMNQAK VSDGNKEDP QICVIELGGT IGDIEGMAFV EAFRQFQFKA KKENFYNIHV SLVPQPSATG EQTKPTQNS VRALRGLGLS PDLIVCRSST PIEMAVKEKI SMFCHVNPEQ VICIHDVSSI YRVPLLEEQ GVVKYFQERL GLPINDCSSN LLFKWKAMAD RYERLQKICS IALVGKYTKL RDCYASVFKA LEHSALAINH KNLNMYIDSI DLEPVTKAED PVKFHEAWQK LCLADGILVP GGFGIRGT LG KLQAI SWART KKIPFLGICL GMQLAVIEFA RNCLNLKDAN STEFEPNTPV PLVIDMPEHN PGDLGGTMRL GLRRTVFTTE NSILKKLYGD VPIEERHRH RYEVNPNLIN QFENKDL CFV GEDVDGKRME IVELTSHPYF IGVQFHPEFS SRPMKPSPPY LGLLLAATGN LNAHLQQMNK LPYSDGYSDA SDDSFPEAKL AELDLN
Species	Mouse
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for Ctps2 recombinant protein	This protein catalyzes the formation of CTP from UTP with the concomitant deamination of glutamine to glutamate. This protein is the rate-limiting enzyme in the synthesis of cytosine nucleotides, which play an important role in various metabolic processes and provide the precursors necessary for the synthesis of RNA and DNA. Cancer cells that exhibit increased cell proliferation also exhibit an increased activity of this encoded protein. Thus, this protein is an attractive target for selective chemotherapy. Three alternatively spliced transcript variants encoding the same protein have been described for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	270483771
NCBI GeneID	55936
NCBI Accession #	NP_001162040.1
NCBI GenBank Nucleotide #	NM_001168568.1
UniProt Accession #	P70303; Q3TPQ2; Q3TT59
Molecular Weight	57,466 Da
NCBI Official Full Name	CTP synthase 2 isoform a

NCBI Official Synonym Full Names	cytidine 5'-triphosphate synthase 2
NCBI Official Symbol	Ctps2
NCBI Official Synonym Symbols	Ctpsh; AI326475; A830031M15Rik
NCBI Protein Information	CTP synthase 2
UniProt Protein Name	CTP synthase 2
UniProt Gene Name	Ctps2
UniProt Synonym Gene Names	CTPsh

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/ctps2-recombinant-protein-e-coli/113230>