Carbamoyl-phosphate synthase [ammonia], mitochondrial (Cps1) Recombinant Protein | Cps1 recombinant protein

Recombinant Mouse Carbamoyl-phosphate synthase [ammonia], mitochondrial (Cps1) , partial

CATALOG #	HOST
AAA117378	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Carbamoyl-phosphate synthase [ammonia]; mitochondrial (Cps1); Recombinant Mouse Carbamoyl-phosphate synthase [ammonia]; partial; Cps1 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	551-743aa; Partial
Sequence	SDKLNEINEK IAPSFAVESM EDALKAADTI GYPVMIRSAY ALGGLGSGIC PNKETLIDLG TKAFAMTNQI LVERSVTGWK EIEYEVVRDA DDNCVTVCNM ENVDAMGVHT GDSVVVAPAQ TLSNAEFQML RRTSVNVVRH LGIVGECNIQ FALHPTSMEY CIIEVNARLS RSSALASKAT GYPLAFIAAK IAL
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 Cps1 recombinant protein	This protein is an enzyme that catalyzes the first committed step of the hepatic urea cycle, which is important in the removal of excess urea from cells. There are two isozymes of this enzyme, and the encoded protein is the mitochondrial form. Three transcript variants encoding different isoforms have been found for this gene. The shortest isoform may not be localized to the mitochondrion.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124248512
NCBI GeneID	227231
NCBI Accession #	NP_001074278.1
NCBI GenBank Nucleotide #	NM_001080809.2
UniProt Accession #	Q8C196; Q6NX75; A0JNU4
Molecular Weight	164,618 Da
NCBI Official Full Name	carbamoyl-phosphate synthase
NCBI Official Synonym Full Names	carbamoyl-phosphate synthetase 1
NCBI Official Symbol	Cps1
NCBI Official Synonym Symbols	CPS; D1Ucla3; 4732433M03Rik

NCBI Protein Information	carbamoyl-phosphate synthase [ammonia], mitochondrial
UniProt Protein Name	Carbamoyl-phosphate synthase [ammonia], mitochondrial
UniProt Gene Name	**Cps1**
UniProt Synonym Gene Names	CPSase I

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.

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Online datasheet: https://www.aaabiotech.com/cps1-recombinant-protein-e-coli/117378