Carbamoyl-Phosphate Synthase Large Chain (carB) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Carbamoyl-phosphate synthase large chain (carB), Recombinant Protein
Full Product Name	Recombinant Escherichia coli Carbamoyl-phosphate synthase large chain (carB) , partial
Product Gene Name	carB recombinant protein
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
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.
Molecular Weight	117,842 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P00968
Species	Escherichia coli (strain K12)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for carB recombinant protein	MBS1256231 is a recombinant protein targeting carB. Also known as Recombinant Escherichia coli Carbamoyl-phosphate synthase large chain (carB) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of carB recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for carB. It may not necessarily be applicable to this product.

NCBI GI #	16128027
NCBI GeneID	944775
NCBI Accession #	NP_414574.1
UniProt Primary Accession #	P00968
GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	carbamoyl-phosphate synthase large subunit
NCBI Official Symbol	carB
NCBI Official Synonym Symbols	cap; ECK0034; JW0031; pyrA
UniProt Protein Name	Carbamoyl-phosphate synthase large chain
UniProt Synonym Protein Names	Carbamoyl-phosphate synthetase ammonia chain

Protein Family	Carbamoyl-phosphate synthase
UniProt Gene Name	carB
NCBI Protein Information	carbamoyl-phosphate synthase large subunit
NCBI Summary for carB	The large subunit is the synthetase component of the enzyme. [More information is available at EcoCyc: EG10135].
Research Articles on carB	**1.** These results indicate that transcription start site sequence and spacing between the -10 region and the start site are important determinants in establishing the extent of reiterative transcription and levels of productive transcription.
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