Carbamoyl-Phosphate Synthase Small Chain (carA) Pyrobaculum Aerophilum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Carbamoyl-phosphate synthase small chain (carA), Recombinant Protein
Full Product Name	Recombinant Pyrobaculum aerophilum Carbamoyl-phosphate synthase small chain (carA)
Product Gene Name	carA recombinant protein
Product Synonym Gene Name	carA
Sequence	MEDGSVFAGR LIGAEKIAVG EVVFTTSVVG YPQTLTDPSY KGQIITFTMP LIGNYGVSED QLESDGIKAE GVVLFEATFP SHYKSVMSLE EWLASSGVPG VARVDTRALV QMLREHGVMM GAIGPEDPAV LMEALRKSPH YEDVVYVDMV SVKEPVLLGE GRLCIGVVDC GVKRSIVREF LKRGVRVKLV PCRRTELAFD CDALFISNGP GNPKLLDFLS AKVSEYVEYK KPLMGICLGH QVIAMALGAG IYKLKFGHRA SNKPVRDIRF TGRTYITTHN HGYAVDPRGT DLKVWAVQPD DGTVEGLYHE RLPILTTQWH PEASPGPQDT RWVFDKFLKL VERHGH
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	38,228 Da
Sequence Positions	1-346, Full length protein
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 Q8ZY49
Species	Pyrobaculum aerophilum (strain 51768 / IM2 / DSM 7523 / JCM 9630 / NBRC 100827)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for carA recombinant protein	MBS1305887 is a recombinant protein targeting carA. Also known as Recombinant Pyrobaculum aerophilum Carbamoyl-phosphate synthase small chain (carA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of carA 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 carA. It may not necessarily be applicable to this product.

NCBI GI #	21759037
NCBI Accession #	Q8ZY49.1
UniProt Primary Accession #	Q8ZY49
NCBI Official Full Name	Carbamoyl-phosphate synthase small chain

UniProt Protein Name	Carbamoyl-phosphate synthase small chain
UniProt Synonym Protein Names	Carbamoyl-phosphate synthetase glutamine chain
Protein Family	Caffeate CoA-transferase
UniProt Gene Name	carA
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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