Carbamoyl-Phosphate Synthase Small Chain (carA) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Carbamoyl-phosphate synthase small chain (carA), Recombinant Protein
Full Product Name	Recombinant Staphylococcus saprophyticus subsp. saprophyticus Carbamoyl-phosphate synthase small chain (carA)
Product Gene Name	carA recombinant protein
Product Synonym Gene Name	carA
Sequence	MLKKRYLVLE DGSYYEGYPI GSDQLTLGEI VFNTAMTGYQ ETISDPSYTG QIITFTYPLI GNYGINRDDF EALVPTLNGV VVKEASRQPS NFRKQKTFHE VLQEYDIPGI SGVDTRSITR KIRNNGVLKA GFTDEKSEID SMIAKLQSVE LPRNEVTTVS TKSPYVSTGY GLSVVLVDFG KKQNIVRELN ARGCNVTVVP YDTSAEAIIR MSPDGVMLSN GPGDPEEVHV AVEMIKGILG KIPFFGICLG HQLFALSQGA TSFKMKFGHR GANHPVKDLK TGKIALTSQN HGYAIDKASL KNTDLEVTHI AINDDTVEGL RHKSLPAFSV QYHPEACPGP SDSNYLFDEF IDMINEYKTK ELTNNA
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	40,389 Da
Sequence Positions	1-366, 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 Q49WY3
Species	Staphylococcus saprophyticus subsp. saprophyticus (strain 15305 / DSM 20229)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for carA recombinant protein	MBS1318648 is a recombinant protein targeting carA. Also known as Recombinant Staphylococcus saprophyticus subsp. saprophyticus 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 #	499622578
NCBI GeneID	3615314
NCBI Accession #	WP_011303312.1

UniProt Primary Accession #	Q49WY3
UniProt Related Accession #	Q49WY3
GenBank Nucleotide #	WP_011303312.1
NCBI Official Full Name	MULTISPECIES: carbamoyl-phosphate synthase small chain
NCBI Official Symbol	SSP_RS07950
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
NCBI Protein Information	carbamoyl-phosphate synthase small chain
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