Carbamoyl-Phosphate Synthase Arginine-Specific Small Chain (CPA1) Candida Albicans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Carbamoyl-phosphate synthase arginine-specific small chain (CPA1), Recombinant Protein
Full Product Name	Recombinant Candida albicans Carbamoyl-phosphate synthase arginine-specific small chain (CPA1)
Product Gene Name	CPA1 recombinant protein
Product Synonym Gene Name	CPA1
Sequence	MLSATKRYLA TAAAAAATNT TTTSKAFTNT TSQLGRATLT IKDGPVFNGY SFGANRNVSG EAVFTTSLVG YPESMTDPSY RGQILCFTQP LIGNYGVPSS TAKDQFNLLK YMESPKVQCI GIVVADAALE YSHWTAVESL QQWCKRSGVA AITGVDTRQL VSYLRDKGSS LGRITIGEEY DADEDAAFED PGAINLVHKV TTKAPFHIAC PPQYSKGIHI AVLDCGAKEN ILRCLVERGA SLTVFPYDYP IDKIANKFDG IFISNGPGDP THCSTTVNNL KKIITNHQDL PIFGICLGHQ LLALASGAKT IKLKYGNRAH NIPAIDLITG NCHITSQNHG YAVDANTLSE NWQPYFTNLN DLSNEGMIHK YQPIFSTQFH PEAKGGPLDT SFLFDKFFDN INVYKKSNGL NLPPVENSLL VDILPKERVE
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	46,898 Da
Sequence Positions	1-430, Full length
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 Q5AML6
Species	Candida albicans (strain SC5314 / MYA-2876) (Yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CPA1 recombinant protein	MBS1477734 is a recombinant protein targeting CPA1. Also known as Recombinant Candida albicans Carbamoyl-phosphate synthase arginine-specific small chain (CPA1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CPA1 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 CPA1. It may not necessarily be applicable to this product.

NCBI GI #	68466440
NCBI GeneID	3635715
NCBI Accession #	XP_722702.1

UniProt Primary Accession #	Q5AML6
UniProt Secondary Accession #	Q5AN21; A0A1D8PLB4
UniProt Related Accession #	Q5AML6
GenBank Nucleotide #	XM_717609.2
NCBI Official Full Name	carbamoyl-phosphate synthase (glutamine-hydrolyzing)
NCBI Official Symbol	CPA1
UniProt Protein Name	Carbamoyl-phosphate synthase arginine-specific small chain
UniProt Synonym Protein Names	Arginine-specific carbamoyl-phosphate synthetase, glutamine chain
Protein Family	Carboxypeptidase
UniProt Gene Name	CPA1
UniProt Synonym Gene Names	CPS-A
NCBI Protein Information	carbamoyl-phosphate synthase (glutamine-hydrolyzing)
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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