Putative Oxpp Cycle Protein Opca (opcA) Synechococcus Elongatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative OxPP cycle protein opcA (opcA), Recombinant Protein
Full Product Name	Recombinant Synechococcus elongatus Putative OxPP cycle protein opcA (opcA)
Product Gene Name	opcA recombinant protein
Product Synonym Gene Name	opcA
Sequence	MTTATPLLSL QKPTPIALAE IEESLSQLWA NQQHSGAGAL VSRAATFSIV VYEPEEFQQI LAALGLYHGH LDGLHGPMTR AAIAQAQTQF GLPSTGRPDS ATFKALRQAY QALKHSPSLT NQDLRGAVLS NVIATQNPCR IVSLCPTLEG DRPISAEVSA YCPITSAKQA SLICCEAVTL RGSQAEMEAI GTFVSELLLP GLPRYVWWKA TPNPEQLLFQ QLANSCNCMI FDSSYFSDPE AEFLRFQDLI DQETYIADLN WHRLAAWQEL TAAAFDPPER RDGLLEVDQL VIDYEKGNPA QALMYMGWIA SRLGWQPVSY RCEGGEYDLR QIEFRTEDDR MVKVELAGIP VGDPGLVLGD LIALRLTSEN PDADCCTILC SETTGCMRME AGGGAQSCRT EQVAPPSNET SESLLAMQMQ RWGRDALYEE SLAVIAVALR QRTHA
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	48,873 Da
Sequence Positions	1-445, 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 Q54709
Species	Synechococcus elongatus (strain PCC 7942) (Anacystis nidulans R2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for opcA recombinant protein	MBS1303773 is a recombinant protein targeting opcA. Also known as Recombinant Synechococcus elongatus Putative OxPP cycle protein opcA (opcA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of opcA 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 opcA. It may not necessarily be applicable to this product.

NCBI GI #	499563296
NCBI Accession #	WP_011244079.1
UniProt Primary Accession #	Q54709
UniProt Secondary Accession #	Q31KQ6

GenBank Nucleotide #	WP_011244079.1
NCBI Official Full Name	MULTISPECIES: oxidoreductase
UniProt Protein Name	Putative OxPP cycle protein OpcA
Protein Family	Putative OxPP cycle protein
UniProt Gene Name	opcA
UniProt Comments for opcA	May be involved in the functional assembly of glucose 6-phosphate dehydrogenase.
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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