Chromophore Lyase Cpcs/Cpes Homolog (cpcS) Porphyra Yezoensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chromophore lyase CpcS/CpeS homolog (cpcS), Recombinant Protein
Full Product Name	Recombinant Porphyra yezoensis Chromophore lyase CpcS/CpeS homolog (cpcS)
Product Gene Name	cpcS recombinant protein
Product Synonym Gene Name	cpcS
Sequence	MKNLISFFDR SKGKWISQRT TYELSNKNMS SVQSQMTMKI GNSLSGSIIL ASLNWGDIYR QVAHYAKNHS RSEYDNKFNL QFGNQLNNHK LLTLCIVTDP SLISFKTRYG STTIDETYWF ATNNLRLSTS IVKRFNTCVA VSFCSEIKV
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	17,100 Da
Sequence Positions	1-149, 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 Q1XDQ2
Species	Porphyra yezoensis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cpcS recombinant protein	MBS1420412 is a recombinant protein targeting cpcS. Also known as Recombinant Porphyra yezoensis Chromophore lyase CpcS/CpeS homolog (cpcS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cpcS 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 cpcS. It may not necessarily be applicable to this product.

NCBI GI #	90994426
NCBI GeneID	3978912
NCBI Accession #	YP_536916.1
UniProt Primary Accession #	Q1XDQ2
UniProt Related Accession #	Q1XDQ2
GenBank Nucleotide #	NC_007932.1

NCBI Official Full Name	hypothetical protein 149 (chloroplast)
NCBI Official Symbol	PoyeCp049
UniProt Protein Name	Chromophore lyase CpcS/CpeS homolog
Protein Family	Chromophore lyase
UniProt Gene Name	cpcS
NCBI Protein Information	hypothetical protein 149
UniProt Comments for cpcS	Might function to covalently attach a chromophore to Cys residue(s) of phycobiliproteins.
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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