Pentatricopeptide Repeat-Containing Protein At1g59720, Mitochondrial (PCMP-H51) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pentatricopeptide repeat-containing protein At1g59720, mitochondrial (PCMP-H51), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Pentatricopeptide repeat-containing protein At1g59720, mitochondrial (PCMP-H51) , partial
Product Gene Name	PCMP-H51 recombinant protein
Product Synonym Gene Name	PCMP-H51
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	71,960 Da
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 Q0WQW5
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PCMP-H51 recombinant protein	MBS1306840 is a recombinant protein targeting PCMP-H51. Also known as Recombinant Arabidopsis thaliana Pentatricopeptide repeat-containing protein At1g59720, mitochondrial (PCMP-H51) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PCMP-H51 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 PCMP-H51. It may not necessarily be applicable to this product.

NCBI GI #	15218900
NCBI GeneID	842263
NCBI Accession #	NP_176180.1
UniProt Primary Accession #	Q0WQW5
UniProt Secondary Accession #	Q9LQ42; Q9XIF6
UniProt Related Accession #	Q0WQW5

GenBank Nucleotide #	NM_104664.2
NCBI Official Full Name	Tetratricopeptide repeat (TPR)-like superfamily protein
NCBI Official Symbol	CRR28
NCBI Official Synonym Symbols	CHLORORESPIRATORY REDUCTION28; F23H11.3; F23H11_3
UniProt Protein Name	Pentatricopeptide repeat-containing protein At1g59720, chloroplastic/mitochondrial
UniProt Synonym Protein Names	Protein CHLORORESPIRATORY REDUCTION 28
Protein Family	Pentatricopeptide repeat-containing protein
UniProt Gene Name	PCMP-H51
NCBI Protein Information	Tetratricopeptide repeat (TPR)-like superfamily protein
NCBI Summary for PCMP-H51	Pentatricopeptide Repeat Protein containing the DYW motif. Required for editing of multiple plastid transcripts. Endonuclease activity.
UniProt Comments for PCMP-H51	Involved in multiple sites RNA editing events in chloroplasts. Involved in the editing of the site 2 of ndhB (ndhB-2) and site 3 of ndhD (ndhD-3) transcripts, which are two plastid-encoded subunits of the chloroplast NAD(P)H dehydrogenase (NDH) complex. Required for the activity of the NDH complex of the photosynthetic electron transport chain.
Research Articles on PCMP-H51	**1.** CRR28, CRR21, OTP85 and OTP80 act as site-recognition factors for plastid RNA editing.
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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