Photosystem II Protein Y (psbY) Prochlorococcus Marinus Subsp. Pastoris Recombinant Protein

PRODUCT OVERVIEW

Product Name	Photosystem II protein Y (psbY), Recombinant Protein
Full Product Name	Recombinant Prochlorococcus marinus subsp. pastoris Photosystem II protein Y (psbY), partial
Product Gene Name	psbY recombinant protein
Sequence	MLRAIVVFAP IIAALAWVVF NIQKPAREQF NRDFLGKD
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	4,359 Da
Sequence Positions	1-38
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 P59907
Species	Prochlorococcus marinus subsp. pastoris (strain CCMP1986 / MED4)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for psbY recombinant protein	MBS1090319 is a recombinant protein targeting psbY. Also known as Recombinant Prochlorococcus marinus subsp. pastoris Photosystem II protein Y (psbY), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of psbY 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 psbY. It may not necessarily be applicable to this product.

NCBI GI #	499445286
NCBI Accession #	WP_011132750.1
UniProt Primary Accession #	P59907
GenBank Nucleotide #	WP_011132750.1
NCBI Official Full Name	photosystem II protein Y
UniProt Protein Name	Photosystem II protein Y
Protein Family	Photosystem II core complex proteins

UniProt Gene Name	psbY
UniProt Comments for psbY	Manganese-binding polypeptide with L-arginine metabolizing enzyme activity. Component of the core of photosystem II.
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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