Photosystem II Reaction Center Protein Z (psbZ) Guillardia Theta Recombinant Protein

PRODUCT OVERVIEW

Product Name	Photosystem II reaction center protein Z (psbZ), Recombinant Protein
Full Product Name	Recombinant Guillardia theta Photosystem II reaction center protein Z (psbZ)
Product Gene Name	psbZ recombinant protein
Product Synonym Gene Name	psbZ; ycf9
Product Synonym Names	Recombinant Photosystem II reaction center protein Z (psbZ); Photosystem II reaction center protein Z; PSII-Z
Sequence	MVTILQLLVS ILILLSFALV VGVPVILVSP GEWERSKNLV YASAGLWFGL VIVTAAFNSF VI
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	6,689 Da
Sequence Positions	1-62
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.
Chromosome Location	NC_000926.1 (90036..90224, complement)
3D Structure	ModBase 3D Structure for O78503
Species	Guillardia theta (Cryptomonas phi)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for psbZ recombinant protein	MBS1236723 is a recombinant protein targeting psbZ. Also known as Recombinant Guillardia theta Photosystem II reaction center protein Z (psbZ). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of psbZ 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 psbZ. It may not necessarily be applicable to this product.

NCBI GI #	11467708
NCBI GeneID	857068
NCBI Accession #	NP_050760.1
UniProt Primary Accession #	O78503
UniProt Related Accession #	O78503
GenBank Nucleotide #	NC_000926.1

NCBI Official Full Name	photosystem II protein Z
NCBI Official Symbol	psbZ
UniProt Protein Name	Photosystem II reaction center protein Z
Protein Family	Photosystem II reaction center protein
UniProt Gene Name	psbZ
UniProt Synonym Gene Names	ycf9; PSII-Z
UniProt Entry Name	PSBZ_GUITH
NCBI Protein Information	photosystem II protein Z
UniProt Comments for psbZ	Function: Controls the interaction of photosystem II (PSII) cores with the light-harvesting antenna By similarity. HAMAP-Rule MF_00644 Subcellular location: Plastid › chloroplast thylakoid membrane; Multi-pass membrane protein By similarity. Note: Associated with the photosystem II complex By similarity. HAMAP-Rule MF_00644 Sequence similarities: Belongs to the PsbZ family.
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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