Photosystem II 12 Kda Extrinsic Protein (psbU) Synechococcus Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Photosystem II 12 kDa extrinsic protein (psbU), Recombinant Protein
Full Product Name	Recombinant Synechococcus sp. Photosystem II 12 kDa extrinsic protein (psbU)
Product Gene Name	psbU recombinant protein
Product Synonym Gene Name	psbU
Sequence	AELPPVKHLD TPIDVNNTIL RNYRQLPGFY PTLARILVKN APYKSLEDML QISGLTEQQK ALIKANAENF VFGEYQEGAN QLENRINQGY YG
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	13,771 Da
Sequence Positions	31-122, 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 Q2JPY4
Species	Synechococcus sp. (strain JA-2-3B'a(2-13)) (Cyanobacteria bacterium Yellowstone B-Prime)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for psbU recombinant protein	MBS1417984 is a recombinant protein targeting psbU. Also known as Recombinant Synechococcus sp. Photosystem II 12 kDa extrinsic protein (psbU). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of psbU 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 psbU. It may not necessarily be applicable to this product.

NCBI GI #	158564300
NCBI Accession #	Q2JPY4.2
UniProt Primary Accession #	Q2JPY4
NCBI Official Full Name	Photosystem II 12 kDa extrinsic protein
UniProt Protein Name	Photosystem II 12 kDa extrinsic protein
UniProt Synonym Protein Names	PS II complex 12 kDa extrinsic protein

Protein Family	Photosystem II 12 kDa extrinsic protein
UniProt Gene Name	psbU
UniProt Comments for psbU	Stabilizes the structure of photosystem II oxygen-evolving complex (OEC), the ion environment of oxygen evolution and protects the OEC against heat-induced inactivation.
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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