Photosystem II Reaction Center Protein M (psbM) Gossypium Barbadense Recombinant Protein

PRODUCT OVERVIEW

Product Name	Photosystem II reaction center protein M (psbM), Recombinant Protein
Full Product Name	Recombinant Gossypium barbadense Photosystem II reaction center protein M (psbM), partial
Product Gene Name	psbM recombinant protein
Sequence	MEVNILAFIA TALFILVPTA FLLIIYVKTV SQSD
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	3,756 Da
Sequence Positions	1-34
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 A0ZZ29
Species	Gossypium barbadense (Sea-island cotton) (Egyptian cotton)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for psbM recombinant protein	MBS1202370 is a recombinant protein targeting psbM. Also known as Recombinant Gossypium barbadense Photosystem II reaction center protein M (psbM), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of psbM 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 psbM. It may not necessarily be applicable to this product.

NCBI GI #	119368493
NCBI GeneID	4575227
NCBI Accession #	YP_913181.1
UniProt Primary Accession #	A0ZZ29
UniProt Related Accession #	A0ZZ29
GenBank Nucleotide #	NC_008641.1
NCBI Official Full Name	PSII M-protein (chloroplast)

NCBI Official Symbol	psbM
UniProt Protein Name	Photosystem II reaction center protein M
Protein Family	Photosystem II reaction center protein
UniProt Gene Name	psbM
UniProt Synonym Gene Names	PSII-M
NCBI Protein Information	photosystem II protein M
UniProt Comments for psbM	One of the components of the core complex of photosystem II (PSII). PSII is a light-driven water:plastoquinone oxidoreductase that uses light energy to abstract electrons from H2O, generating O2 and a proton gradient subsequently used for ATP formation. It consists of a core antenna complex that captures photons, and an electron transfer chain that converts photonic excitation into a charge separation. This subunit is found at the monomer-monomer interface.
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