Photosystem II Reaction Center Protein H (psbH) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Photosystem II reaction center protein H (psbH), Recombinant Protein
Full Product Name	Recombinant Photosystem II reaction center protein H (psbH)
Product Gene Name	psbH recombinant protein
Product Synonym Gene Name	psbH
Product Synonym Names	Recombinant Photosystem II reaction center protein H (psbH); Photosystem II reaction center protein H; PSII-H; Photosystem II 10 kDa phosphoprotein
Sequence	MALKTRLGEL LRPLNSQYGK VAPGWGTTPI MGIFMALFLL FLIIILQIYN SSLILENLDI SWTTLGI
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	7,495 Da
Sequence Positions	1-67
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_001840.1 (71455..71658, complement)
3D Structure	ModBase 3D Structure for O19925
Species	Cyanidium caldarium
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for psbH recombinant protein	MBS1237975 is a recombinant protein targeting psbH. Also known as Recombinant Photosystem II reaction center protein H (psbH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of psbH 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 psbH. It may not necessarily be applicable to this product.

NCBI GI #	11465512
NCBI GeneID	800137
NCBI Accession #	NP_045097.1
UniProt Primary Accession #	O19925
UniProt Related Accession #	O19925

GenBank Nucleotide #	NC_001840.1
NCBI Official Full Name	photosystem II protein H
NCBI Official Symbol	psbH
UniProt Protein Name	Photosystem II reaction center protein H
UniProt Synonym Protein Names	Photosystem II 10 kDa phosphoprotein
Protein Family	Photosystem II reaction center protein
UniProt Gene Name	psbH
UniProt Synonym Gene Names	PSII-H
UniProt Entry Name	PSBH_CYACA
NCBI Protein Information	photosystem II reaction center protein H; photosystem II protein H
UniProt Comments for psbH	Subcellular location: Plastid › chloroplast thylakoid membrane; Single-pass membrane protein By similarity HAMAP-Rule MF_00752. Post-translational modification: Phosphorylation is a light-dependent reaction catalyzed by a membrane-bound kinase By similarity. HAMAP-Rule MF_00752 Sequence similarities: Belongs to the PsbH 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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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