Photosystem II Reaction Center Protein J (psbJ) Phaseolus Vulgaris Recombinant Protein

PRODUCT OVERVIEW

Product Name	Photosystem II reaction center protein J (psbJ), Recombinant Protein
Full Product Name	Recombinant Phaseolus vulgaris Photosystem II reaction center protein J (psbJ), partial
Product Gene Name	psbJ recombinant protein
Sequence	MADTTGRIPL WIIGTVTGIT VIGLIGIFFY GSYSGLGSSL
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	4,149 Da
Sequence Positions	1-40
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 A4GGC0
Species	Phaseolus vulgaris (Kidney bean) (French bean)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for psbJ recombinant protein	MBS1225902 is a recombinant protein targeting psbJ. Also known as Recombinant Phaseolus vulgaris Photosystem II reaction center protein J (psbJ), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of psbJ 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 psbJ. It may not necessarily be applicable to this product.

NCBI GI #	139387467
NCBI GeneID	4961777
NCBI Accession #	YP_001122821.1
UniProt Primary Accession #	A4GGC0
UniProt Secondary Accession #	A8W7Z8
UniProt Related Accession #	A4GGC0
GenBank Nucleotide #	NC_009259.1
NCBI Official Full Name	photosystem II protein J (chloroplast)

NCBI Official Symbol	psbJ
UniProt Protein Name	Photosystem II reaction center protein J
Protein Family	Photosystem II reaction center protein
UniProt Gene Name	psbJ
UniProt Synonym Gene Names	PSII-J
NCBI Protein Information	photosystem II protein J
UniProt Comments for psbJ	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.
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