Photosystem I Reaction Center Subunit IV (psaE) Trichodesmium Erythraeum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Photosystem I reaction center subunit IV (psaE), Recombinant Protein
Full Product Name	Recombinant Trichodesmium erythraeum Photosystem I reaction center subunit IV (psaE)
Product Gene Name	psaE recombinant protein
Product Synonym Gene Name	psaE
Sequence	MVKRGSKVRI LRKESYWYQD VGTVASVDKS GIKYPVIVRF DKVNYAGSSG SPTGVNTNNF AIDEVVEIS
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	7,628 Da
Sequence Positions	1-69, 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 Q117D3
Species	Trichodesmium erythraeum (strain IMS101)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for psaE recombinant protein	MBS1410676 is a recombinant protein targeting psaE. Also known as Recombinant Trichodesmium erythraeum Photosystem I reaction center subunit IV (psaE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of psaE 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 psaE. It may not necessarily be applicable to this product.

NCBI GI #	123056973
NCBI Accession #	Q117D3.1
UniProt Primary Accession #	Q117D3
NCBI Official Full Name	Photosystem I reaction center subunit IV
UniProt Protein Name	Photosystem I reaction center subunit IV
Protein Family	Photosystem I reaction center

UniProt Gene Name	psaE
UniProt Comments for psaE	Stabilizes the interaction between PsaC and the PSI core, assists the docking of the ferredoxin to PSI and interacts with ferredoxin-NADP oxidoreductase.
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