Photosystem I Reaction Center Subunit IV A, Chloroplastic (PSAEA) Nicotiana Sylvestris Recombinant Protein

PRODUCT OVERVIEW

Product Name	Photosystem I reaction center subunit IV A, chloroplastic (PSAEA), Recombinant Protein
Full Product Name	Recombinant Nicotiana sylvestris Photosystem I reaction center subunit IV A, chloroplastic (PSAEA)
Product Gene Name	PSAEA recombinant protein
Product Synonym Gene Name	PSAEA
Sequence	AAEEAAPPAA AATAEPAEAP VKAAKPPPIG PKRGTKVRIL RKESYWYKGT GSVVACDQDP NTRYPVVVRF NKVNYANVST NNYALDEIEE VK
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	15,099 Da
Sequence Positions	50-141, 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 Q41228
Species	Nicotiana sylvestris (Wood tobacco) (South American tobacco)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PSAEA recombinant protein	MBS1469586 is a recombinant protein targeting PSAEA. Also known as Recombinant Nicotiana sylvestris Photosystem I reaction center subunit IV A, chloroplastic (PSAEA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PSAEA 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 PSAEA. It may not necessarily be applicable to this product.

NCBI GI #	700583762
NCBI GeneID	104243298
NCBI Accession #	NP_001289510.1
UniProt Primary Accession #	Q41228
UniProt Related Accession #	Q41228

GenBank Nucleotide #	NM_001302581.1
NCBI Official Full Name	photosystem I reaction center subunit IV A, chloroplastic
NCBI Official Symbol	LOC104243298
NCBI Official Synonym Symbols	psaEa
UniProt Protein Name	Photosystem I reaction center subunit IV A, chloroplastic
Protein Family	Photosystem I reaction center
UniProt Gene Name	PSAEA
UniProt Synonym Gene Names	PSI-E A
NCBI Protein Information	photosystem I reaction center subunit IV A, chloroplastic
UniProt Comments for PSAEA	Stabilizes the interaction between PsaC and the PSI core, assists the docking of the ferredoxin to PSI and interacts with ferredoxin-NADP oxidoreductase.
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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