Oxygen-Evolving Enhancer Protein 1, Chloroplastic (PSBO) Chlamydomonas Reinhardtii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Oxygen-evolving enhancer protein 1, chloroplastic (PSBO), Recombinant Protein
Full Product Name	Recombinant Chlamydomonas reinhardtii Oxygen-evolving enhancer protein 1, chloroplastic (PSBO)
Product Gene Name	PSBO recombinant protein
Sequence	TFDEIQGLTY LQVKGSGIAN TCPVLESGTT NLKELKAGSY KLENFCIEPT SFTVKEESQF KGGETEFVKT KLMTRLTYTL DAMSGSFKVG SDGSAELKED DGIDYAATTV QLPGGERVAF LFTIKQFDGK GTLDGIKGDF LVPSYRGSSF LDPKGRGGST GYDNAVALPA RADAEELLKE NVKITKALKG SAVFSVAKVD PVTGEIAGVF ESIQPSDTDL GAKPPKDIKV TGLWYAQLK
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	30,523 Da
Sequence Positions	53-291, 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 P12853
Species	Chlamydomonas reinhardtii (Chlamydomonas smithii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PSBO recombinant protein	MBS1216178 is a recombinant protein targeting PSBO. Also known as Recombinant Chlamydomonas reinhardtii Oxygen-evolving enhancer protein 1, chloroplastic (PSBO). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PSBO 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 PSBO. It may not necessarily be applicable to this product.

NCBI GI #	131382
NCBI Accession #	P12853.1
UniProt Primary Accession #	P12853
NCBI Official Full Name	Oxygen-evolving enhancer protein 1, chloroplastic
UniProt Protein Name	Oxygen-evolving enhancer protein 1, chloroplastic

Protein Family	Oxygen-evolving enhancer protein
UniProt Gene Name	PSBO
UniProt Synonym Gene Names	OEE1
UniProt Comments for PSBO	Stabilizes the manganese cluster which is the primary site of water splitting.
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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