15,16-Dihydrobiliverdin:ferredoxin Oxidoreductase (pebA) Synechococcus Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	15,16-dihydrobiliverdin:ferredoxin oxidoreductase (pebA), Recombinant Protein
Full Product Name	Recombinant Synechococcus sp. 15,16-dihydrobiliverdin:ferredoxin oxidoreductase (pebA)
Product Gene Name	pebA recombinant protein
Product Synonym Gene Name	pebA
Sequence	MFDPFLEELQ TGIQARGGIS VEVPAGLEHN QSQKGSSTIQ SWLWQVPGFR RWRVTRLDAG DSLQVLNSVA YPDFDLDHPL MGVDLLWFGA RQKLVAVLDF QPLVQDKDYL DRHFDGLKDL NARFPDLNGE ETMRSFDPNQ YFSSWLLFCR GGSEEADRSL PKAFSAFLKA YWGLHDEASK EPSSISPGDV ERLQNAYDVY SAERDPAHGL FTSHFGKEWS DRFLHEFLFP ASQPA
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	26,763 Da
Sequence Positions	1-235, 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 Q7U4P7
Species	Synechococcus sp. (strain WH8102)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pebA recombinant protein	MBS1341390 is a recombinant protein targeting pebA. Also known as Recombinant Synechococcus sp. 15,16-dihydrobiliverdin:ferredoxin oxidoreductase (pebA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pebA 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 pebA. It may not necessarily be applicable to this product.

NCBI GI #	499441414
NCBI Accession #	WP_011128878.1
UniProt Primary Accession #	Q7U4P7
GenBank Nucleotide #	WP_011128878.1

NCBI Official Full Name	15,16-dihydrobiliverdin:ferredoxin oxidoreductase
UniProt Protein Name	15,16-dihydrobiliverdin:ferredoxin oxidoreductase
Protein Family	15,16-dihydrobiliverdin:ferredoxin oxidoreductase
UniProt Gene Name	pebA
UniProt Comments for pebA	Catalyzes the two-electron reduction of biliverdin IX-alpha at the C15 methine bridge.
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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