2-Dehydro-3-Deoxyphosphooctonate Aldolase (kdsA) Prochlorococcus Marinus Recombinant Protein

PRODUCT OVERVIEW

Product Name	2-dehydro-3-deoxyphosphooctonate aldolase (kdsA), Recombinant Protein
Full Product Name	Recombinant Prochlorococcus marinus 2-dehydro-3-deoxyphosphooctonate aldolase (kdsA)
Product Gene Name	kdsA recombinant protein
Product Synonym Gene Name	kdsA
Sequence	MAARSIALGT IRFANDAPFV LIGGINVLES REFALEVAGH YKTVCTKLGI PLVFKASFDK ANRSSIHSYR GPGLREGLEI LQVVKDTHGI PVITDVHSPE EATPAAEVCD IIQLPAFLAR QTDLIEAMAK TGAVINIKKP QFLSPSQMSN VVEKFRECGN ENLLICERGS NFGYDNLVVD MLAFGVMKHC CNDLPLIFDV THALQCRDPS GAASGGRRSQ VVDLARSGMA VGLAGLFLES HPDPDKARCD GPSALPLALL EPFLQQVKAI DEVVKALPTL SVS
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	30,434 Da
Sequence Positions	1-283, 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 Q7V4M4
Species	Prochlorococcus marinus (strain MIT 9313)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for kdsA recombinant protein	MBS1348706 is a recombinant protein targeting kdsA. Also known as Recombinant Prochlorococcus marinus 2-dehydro-3-deoxyphosphooctonate aldolase (kdsA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of kdsA 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 kdsA. It may not necessarily be applicable to this product.

NCBI GI #	499443827
NCBI Accession #	WP_011131291.1
UniProt Primary Accession #	Q7V4M4
GenBank Nucleotide #	WP_011131291.1

NCBI Official Full Name	2-dehydro-3-deoxyphosphooctonate aldolase
UniProt Protein Name	2-dehydro-3-deoxyphosphooctonate aldolase
UniProt Synonym Protein Names	3-deoxy-D-manno-octulosonic acid 8-phosphate synthase
Protein Family	2-dehydro-3-deoxyphosphooctonate aldolase
UniProt Gene Name	kdsA
UniProt Synonym Gene Names	KDO 8-P synthase; KDOPS
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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