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

PRODUCT OVERVIEW

Product Name	2-dehydro-3-deoxyphosphooctonate aldolase (kdsA), Recombinant Protein
Full Product Name	Recombinant Photorhabdus luminescens subsp. laumondii 2-dehydro-3-deoxyphosphooctonate aldolase (kdsA)
Product Gene Name	kdsA recombinant protein
Product Synonym Gene Name	kdsA
Sequence	MQQKVVHIGD IKVANDLPFV LFGGMNVLES RDLAMSICEH YVTVTQKLGI PYVFKASFDK ANRSSIHSYR GPGLEEGMKI FQELKQTFGV KIITDVHESA QAQPVAEVVD VIQLPAFLAR QTDLVEAMAR TGAVINVKKP QFISPGQMGN IVDKFKEGGN DQVILCDRGS NFGYDNLVVD MLGFNVMAQA TGGHPVIFDV THSLQCRDPF GAASGGRRAQ VAELARAGMA VGIAGLFLEA HPDPANAMCD GPSALPLAKL EPFLSQMKAI DDVVKSFPQL DTSK
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	30,674 Da
Sequence Positions	1-284, 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 Q7N583
Species	Photorhabdus luminescens subsp. laumondii (strain TT01)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for kdsA recombinant protein	MBS1349725 is a recombinant protein targeting kdsA. Also known as Recombinant Photorhabdus luminescens subsp. laumondii 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 #	499458864
NCBI Accession #	WP_011146328.1
UniProt Primary Accession #	Q7N583
GenBank Nucleotide #	WP_011146328.1

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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