4-Diphosphocytidyl-2-C-Methyl-D-Erythritol Kinase (ispE) Shewanella Oneidensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	4-diphosphocytidyl-2-C-methyl-D-erythritol kinase (ispE), Recombinant Protein
Full Product Name	Recombinant Shewanella oneidensis 4-diphosphocytidyl-2-C-methyl-D-erythritol kinase (ispE)
Product Gene Name	ispE recombinant protein
Product Synonym Gene Name	ispE
Sequence	MSQEISRNWP APAKLNLFLH INGRRSDGYH ELQTLFQFVD CCDQLDFRVT DTPELILHST MSAVVADSDN LILRAAKSLQ QATGFNGGAE IWLDKRLPMG GGLGGGSSDA ATTLVALNRL WNTQLSHDEL AAIGLKLGAD IPVFIHGFAA FAQGVGERLQ AVNPAELWYL VIAPDAHVST AAVFQDPLLP RNTPKLGLDT LLSQPWANDC QELVVSKYPQ VAKALGWLLE YAPSRMTGTG ACVFGEFSSQ QQALAALAKL PSDMQGFVAK GMNISPLIVR LNRP
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	30,721 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 Q8EAR0
Species	Shewanella oneidensis (strain MR-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ispE recombinant protein	MBS1399098 is a recombinant protein targeting ispE. Also known as Recombinant Shewanella oneidensis 4-diphosphocytidyl-2-C-methyl-D-erythritol kinase (ispE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ispE 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 ispE. It may not necessarily be applicable to this product.

NCBI GI #	24375326
NCBI GeneID	1171481
NCBI Accession #	NP_719369.1
UniProt Primary Accession #	Q8EAR0

UniProt Related Accession #	Q8EAR0
GenBank Nucleotide #	NC_004347.2
NCBI Official Full Name	4-diphosphocytidyl-2C-methyl-D-erythritol kinase IspE
NCBI Official Symbol	ispE
UniProt Protein Name	4-diphosphocytidyl-2-C-methyl-D-erythritol kinase
UniProt Synonym Protein Names	4-(cytidine-5'-diphospho)-2-C-methyl-D-erythritol kinase
Protein Family	4-diphosphocytidyl-2-C-methyl-D-erythritol kinase
UniProt Gene Name	ispE
UniProt Synonym Gene Names	CMK
NCBI Protein Information	4-diphosphocytidyl-2C-methyl-D-erythritol kinase
UniProt Comments for ispE	Catalyzes the phosphorylation of the position 2 hydroxy group of 4-diphosphocytidyl-2C-methyl-D-erythritol.
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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