4-Diphosphocytidyl-2-C-Methyl-D-Erythritol Kinase (ispE) Tropheryma Whipplei Recombinant Protein

PRODUCT OVERVIEW

Product Name	4-diphosphocytidyl-2-C-methyl-D-erythritol kinase (ispE), Recombinant Protein
Full Product Name	Recombinant Tropheryma whipplei 4-diphosphocytidyl-2-C-methyl-D-erythritol kinase (ispE)
Product Gene Name	ispE recombinant protein
Product Synonym Gene Name	ispE
Sequence	MKTDGGNTWR ASHSKPLNTA NTMGEPFSHS EYSVHADQSE FYLNELTEHS GQDNPCMNTS RLNTNRYGHP VVHPCPKIHC ICTQSNIAAI GSDCTGCVDI AQACKMLRGG LGCTQDPCVK NPHTQCFTDV SNHAMRNVLP LNVSNTEQFP IQIEYANGRN PVLNPMDDLA MRAALLLSKD IDLQNTHILP STRISIEKNI PVAAGLAGGS ADAAAVLLGI NSAWQTNYSR CDLLGKAGAL GADVPFLIWG GAAYGSGTGS CVTFFETQTL YWVLCFSKHP LSTRKVFQEL DRQRSGAGCN HHPVFSNPAE CAEMLKKAIK RGPEALAALL HNDLTSAAKM LMPEIAERIK AAERCPGILR AIISGSGPTL ALLAEDAEAA NRACSILKDT GVICKAVSSP AYSSIYWQT
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	43,957 Da
Sequence Positions	1-409, 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 Q83FU3
Species	Tropheryma whipplei (strain Twist) (Whipple's bacillus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ispE recombinant protein	MBS1473085 is a recombinant protein targeting ispE. Also known as Recombinant Tropheryma whipplei 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 #	740263744
NCBI Accession #	WP_038104236.1
UniProt Primary Accession #	Q83FU3

GenBank Nucleotide #	WP_038104236.1
NCBI Official Full Name	4-diphosphocytidyl-2C-methyl-D-erythritol kinase
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
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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