2-C-Methyl-D-Erythritol 4-Phosphate Cytidylyltransferase 2 (ispD2) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase 2 (ispD2), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus 2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase 2 (ispD2)
Product Gene Name	ispD2 recombinant protein
Product Synonym Gene Name	ispD2
Sequence	MKYAGILAGG IGSRMGNVPL PKQFLDLDNK PILIHTLEKF ILINDFEKII IATPQQWMTH TKDTLRKFKI SDERIEVIQG GSDRNDTIMN IVKHIESTNG INDDDVIVTH DAVRPFLTHR IIKENIQAAL EYGAVDTVID AIDTIVTSKD NQTIDAIPVR NEMYQGQTPQ SFNINLLKES YAQLSDEQKS ILSDACKIIV ETNKPVRLVK GELYNIKVTT PYDLKVANAI IRGGIADD
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	26,657 Da
Sequence Positions	1-238, 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 Q7A7V0
Species	Staphylococcus aureus (strain N315)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ispD2 recombinant protein	MBS1354904 is a recombinant protein targeting ispD2. Also known as Recombinant Staphylococcus aureus 2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase 2 (ispD2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ispD2 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 ispD2. It may not necessarily be applicable to this product.

NCBI GI #	446795230
NCBI Accession #	WP_000872486.1
UniProt Primary Accession #	Q7A7V0
GenBank Nucleotide #	WP_000872486.1

NCBI Official Full Name	MULTISPECIES: 2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase
UniProt Protein Name	Ribitol-5-phosphate cytidylyltransferase 1
UniProt Gene Name	tarI1
UniProt Comments for ispD2	Catalyzes the transfer of the cytidylyl group of CTP to D-ribitol 5-phosphate.
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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