Isopentenyl-Diphosphate Delta-Isomerase (fni) Methanosarcina Barkeri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Isopentenyl-diphosphate delta-isomerase (fni), Recombinant Protein
Full Product Name	Recombinant Methanosarcina barkeri Isopentenyl-diphosphate delta-isomerase (fni)
Product Gene Name	fni recombinant protein
Product Synonym Gene Name	fni
Sequence	MISTTSKRKI EHLKLCAESP VESRKVSAGF EDVTLIHRAL PELDMDKLNL SIDFLGKRLQ APFLIASITG GHPDTTPVNA ALAAAAEELG IGMGVGSQRA AIDDPTQEES FRVVREKAPT AFIYGNVGAA QIRQYGVDGV EKLIEMIDAD ALAIHLNFLQ EAIQPEGDRD ATGCLDMIKE ICSVLGKPVI IKETGAGISR EDSILLQKAG VSAIDVGGAG GTSWAGVEVY RARKSGDYAS EHLGELFWDF GIPTVASIIE SRVSLPIIAT GGIRTGIDIA KSIALGASAA SAALPFVGPA LEGKESVVRV LSRMLDEFRI AMFLCGCANI QDLRNAPVVV TGWTLEYLGQ RGFNVKDYAI AGDSF
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	38,772 Da
Sequence Positions	1-365, 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 Q46CL4
Species	Methanosarcina barkeri (strain Fusaro / DSM 804)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fni recombinant protein	MBS1484344 is a recombinant protein targeting fni. Also known as Recombinant Methanosarcina barkeri Isopentenyl-diphosphate delta-isomerase (fni). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of fni 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 fni. It may not necessarily be applicable to this product.

NCBI GI #	499625690
NCBI Accession #	WP_011306424.1
UniProt Primary Accession #	Q46CL4

GenBank Nucleotide #	WP_011306424.1
NCBI Official Full Name	type 2 isopentenyl-diphosphate Delta-isomerase
UniProt Protein Name	Isopentenyl-diphosphate delta-isomerase
UniProt Synonym Protein Names	Isopentenyl diphosphate:dimethylallyl diphosphate isomerase
UniProt Gene Name	fni
UniProt Synonym Gene Names	IPP isomerase; IDI-2
UniProt Comments for fni	Involved in the biosynthesis of isoprenoids. Catalyzes the 1,3-allylic rearrangement of the homoallylic substrate isopentenyl (IPP) to its allylic isomer, dimethylallyl diphosphate (DMAPP).
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