Isopentenyl-Diphosphate Delta-Isomerase (idi) Frankia Alni Recombinant Protein

PRODUCT OVERVIEW

Product Name	Isopentenyl-diphosphate Delta-isomerase (idi), Recombinant Protein
Full Product Name	Recombinant Frankia alni Isopentenyl-diphosphate Delta-isomerase (idi)
Product Gene Name	idi recombinant protein
Product Synonym Gene Name	idi
Sequence	MSPQGPGTAV DVDDEVVLLD PDRRPCGTAP RLAVHGLDTP LHLAFSSYLF DAAGRLLVTR RALGKRTWPG VWTNSCCGHP RPGEDIALAV ERRVDQELRL ALTDLHCALP DFAYRATAAD GLVENEVCPV YVARAVGDPD PDPAEVVEWR WVDWESYRQA ALAAPWALSP WSVDQMTAFG QAAHPLTAAL RAVG
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	21,089 Da
Sequence Positions	1-194, 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 Q0RBQ7
Species	Frankia alni (strain ACN14a)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for idi recombinant protein	MBS1356359 is a recombinant protein targeting idi. Also known as Recombinant Frankia alni Isopentenyl-diphosphate Delta-isomerase (idi). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of idi 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 idi. It may not necessarily be applicable to this product.

NCBI GI #	499926811
NCBI Accession #	WP_011607545.1
UniProt Primary Accession #	Q0RBQ7
GenBank Nucleotide #	WP_011607545.1
NCBI Official Full Name	isopentenyl-diphosphate Delta-isomerase
UniProt Protein Name	Isopentenyl-diphosphate Delta-isomerase

UniProt Synonym Protein Names	IPP:DMAPP isomerase
Protein Family	Isopentenyl-diphosphate Delta-isomerase
UniProt Gene Name	idi
UniProt Synonym Gene Names	IPP isomerase
UniProt Comments for idi	Catalyzes the 1,3-allylic rearrangement of the homoallylic substrate isopentenyl (IPP) to its highly electrophilic allylic isomer, dimethylallyl diphosphate (DMAPP).
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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