Isopentenyl-Diphosphate Delta-Isomerase 1 (IDI1) Pongo Abelii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Isopentenyl-diphosphate Delta-isomerase 1 (IDI1), Recombinant Protein
Full Product Name	Recombinant Pongo abelii Isopentenyl-diphosphate Delta-isomerase 1 (IDI1)
Product Gene Name	IDI1 recombinant protein
Product Synonym Gene Name	IDI1
Sequence	MPEINTDHLD KQQVQLLAEM CILIDENDNK IGAETKKNCH LNENIEKGLL HRAFSVFLFN TENKLLLQQR SDAKITLPGC FTNTCCSHPL SNPGELEEND ALGVRRAAQR RLKAELGIPL EEVPPEEINY LTRIHYKAQS DGIWGEHEID YILLVRKNVT LNPDPNEIKS YCYVSKEELK ELLKKAASGE IKITPWFKII AETFLFKWWD NLNHLNQFVD HEKIYRI
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	26,339 Da
Sequence Positions	1-227, 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 Q5R8R6
Species	Pongo abelii (Sumatran orangutan)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IDI1 recombinant protein	MBS1313689 is a recombinant protein targeting IDI1. Also known as Recombinant Pongo abelii Isopentenyl-diphosphate Delta-isomerase 1 (IDI1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of IDI1 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 IDI1. It may not necessarily be applicable to this product.

NCBI GI #	197101037
NCBI GeneID	100173020
NCBI Accession #	NP_001126068.1
UniProt Primary Accession #	Q5R8R6
UniProt Related Accession #	Q5R8R6

GenBank Nucleotide #	NM_001132596.1
NCBI Official Full Name	isopentenyl-diphosphate Delta-isomerase 1
NCBI Official Symbol	IDI1
UniProt Protein Name	Isopentenyl-diphosphate Delta-isomerase 1
UniProt Synonym Protein Names	Isopentenyl pyrophosphate isomerase 1; IPP isomerase 1; IPPI1
Protein Family	Isopentenyl-diphosphate Delta-isomerase
UniProt Gene Name	IDI1
UniProt Synonym Gene Names	IPP isomerase 1; IPPI1
NCBI Protein Information	isopentenyl-diphosphate Delta-isomerase 1
UniProt Comments for IDI1	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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