Methylthioribose-1-Phosphate Isomerase (Poptrdraft_832064) (POPTRDRAFT_832064) Populus Trichocarpa Recombinant Protein

PRODUCT OVERVIEW

Product Name	Methylthioribose-1-phosphate isomerase (POPTRDRAFT_832064), Recombinant Protein
Full Product Name	Recombinant Populus trichocarpa Methylthioribose-1-phosphate isomerase (POPTRDRAFT_832064)
Product Gene Name	POPTRDRAFT_832064 recombinant protein
Sequence	MATNPSNGLE GDNTLQSICY HRGSLKLLDQ RKLPLETTYL DIKDASDGWL AIREMVVRGA PAIAISAALS LAVEVSNLEN FNGTPVEAAS FLAGKLDYLV SSRPTAVNLS DAATKLKEVV SKAAAAASNC QSVFQAYIEA AEIMLADDVA SNKAIGSYGA RFIQNQQKDP TKLSVLTHCN TGSLATAGYG TALGVIRALH GEGVLQRAYC TETRPFNQGS RLTAFELVHE KIPATLIADS AAAALMKDSK VSAVVVGADR VAANGDTANK IGTYSLALCA MHHNIPFYVA APLTSFDSSL SSGKEIIIEE RSPKEMLNAR GGLGEQVAAS GISVWNPAFD VTPASLISGI ITEKGVITKT GMDDFDIKDF INRLSASALR KRPM
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	39,471 Da
Sequence Positions	1-384, 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 B9HCR2
Species	Populus trichocarpa (Western balsam poplar) (Populus balsamifera subsp. trichocarpa)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for POPTRDRAFT_832064 recombinant protein	MBS1227558 is a recombinant protein targeting POPTRDRAFT_832064. Also known as Recombinant Populus trichocarpa Methylthioribose-1-phosphate isomerase (POPTRDRAFT_832064). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of POPTRDRAFT_832064 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 POPTRDRAFT_832064. It may not necessarily be applicable to this product.

NCBI GI #	566177795
NCBI GeneID	7491987
NCBI Accession #	XP_002308521.2

UniProt Primary Accession #	B9HCR2
UniProt Related Accession #	B9HCR2
GenBank Nucleotide #	XM_002308485.2
NCBI Official Full Name	eukaryotic translation initiation factor 2B family protein
NCBI Official Symbol	POPTR_0006s23650g
UniProt Protein Name	Methylthioribose-1-phosphate isomerase
UniProt Synonym Protein Names	S-methyl-5-thioribose-1-phosphate isomerase
UniProt Gene Name	POPTRDRAFT_832064
UniProt Synonym Gene Names	M1Pi; MTR-1-P isomerase
NCBI Protein Information	eukaryotic translation initiation factor 2B family protein
UniProt Comments for POPTRDRAFT_832064	Catalyzes the interconversion of methylthioribose-1-phosphate (MTR-1-P) into methylthioribulose-1-phosphate (MTRu-1-P).
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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