Methylthioribose-1-Phosphate Isomerase (mtnA) Pelotomaculum Thermopropionicum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Methylthioribose-1-phosphate isomerase (mtnA), Recombinant Protein
Full Product Name	Recombinant Pelotomaculum thermopropionicum Methylthioribose-1-phosphate isomerase (mtnA)
Product Gene Name	mtnA recombinant protein
Sequence	MLDTMRWTGD GLLELLDQTR LPFEKSYIKC TEYTDVAEAI KRLAVRGAPA IGAAAAYGLV LAARKIRANT KKEFLTELEA RARELAATRP TAVNLHWALN RMLRKMRLAE PEDAGLLCDL LLEEAQAIFR EDITGNRRMA RYGLELIPEG ARILTHCNAG ALATAGYGTA LGLVRAAHEA GRRVSVYAGE TRPLLQGARL TAWEMLQEGI PVTLITDSMA GYLLAKGKAD LVVVGADRIA ANGDVANKIG TYSLAVLARE HKIPFYVAAP VSTIDLSLAS GEEIPIEERD SSEVTHLAGR PVAPEGVNVW NPAFDVTPAR LITAIITDRG IVKPPYDENL RKTVEGLNRN LVIELTAEDG KSNL
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	39,529 Da
Sequence Positions	1-364, 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 A5D1G8
Species	Pelotomaculum thermopropionicum (strain DSM 13744 / JCM 10971 / SI)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mtnA recombinant protein	MBS1255676 is a recombinant protein targeting mtnA. Also known as Recombinant Pelotomaculum thermopropionicum Methylthioribose-1-phosphate isomerase (mtnA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mtnA 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 mtnA. It may not necessarily be applicable to this product.

NCBI GI #	218526922
NCBI Accession #	A5D1G8.1
UniProt Primary Accession #	A5D1G8
NCBI Official Full Name	Methylthioribose-1-phosphate isomerase

UniProt Protein Name	Methylthioribose-1-phosphate isomerase
UniProt Synonym Protein Names	S-methyl-5-thioribose-1-phosphate isomerase
UniProt Gene Name	mtnA
UniProt Synonym Gene Names	M1Pi; MTR-1-P isomerase
UniProt Comments for mtnA	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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