Bis (5'-Nucleosyl)-Tetraphosphatase Prpe [Asymmetrical] (prpE) Geobacillus Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Bis (5'-nucleosyl)-tetraphosphatase prpE [asymmetrical], Recombinant Protein
Full Product Name	Recombinant Geobacillus sp. Bis (5'-nucleosyl)-tetraphosphatase prpE [asymmetrical]
Product Gene Name	prpE recombinant protein
Sequence	MKIDIIGDIH GCYSEFVKLT KKLGYEWDSG IPLHPDGRKL GFVGDLTDRG PQSLQTVEVV YSLVERESAY YVPGNHCNKL YRFFLGRNVQ ITHGLETTVE EYRALPPSEQ AMIRKKFMRL YEAAPLYAQL DNGRLIIAHA GLRRDYIGRN DKKVQTFVLY GDITGETNPD GTPVRRDWAK RYKGSAWIVY GHTPVKQPRI INRTINIDTG CVFGGALTAF RYPEIETISV PSSLPYVPEK FRTFD
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	27,938 Da
Sequence Positions	1-245, Full length
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 C5D7A6
Species	Geobacillus sp. (strain WCH70)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for prpE recombinant protein	MBS1230246 is a recombinant protein targeting prpE. Also known as Recombinant Geobacillus sp. Bis (5'-nucleosyl)-tetraphosphatase prpE [asymmetrical]. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of prpE 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 prpE. It may not necessarily be applicable to this product.

NCBI GI #	502276061
NCBI Accession #	WP_012749463.1
UniProt Primary Accession #	C5D7A6
GenBank Nucleotide #	WP_012749463.1
NCBI Official Full Name	bis(5'-nucleosyl)-tetraphosphatase PrpE

UniProt Protein Name	Bis(5'-nucleosyl)-tetraphosphatase PrpE [asymmetrical]
UniProt Synonym Protein Names	Ap4A hydrolase
Protein Family	Bis(5'-nucleosyl)-tetraphosphatase
UniProt Gene Name	prpE
UniProt Synonym Gene Names	Diadenosine tetraphosphatase
UniProt Comments for prpE	Asymmetrically hydrolyzes Ap4p to yield AMP and ATP.
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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