# Bis (5'-Nucleosyl)-Tetraphosphatase Prpe [Asymmetrical] (prpE) Oceanobacillus Iheyensis Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Bis (5'-nucleosyl)-tetraphosphatase prpE [asymmetrical] (prpE), Recombinant Protein |
| **Full Product Name** | Recombinant Oceanobacillus iheyensis Bis (5'-nucleosyl)-tetraphosphatase prpE [asymmetrical] (prpE) |
| **Product Gene Name** | prpE recombinant protein |
| **Product Synonym Gene Name** | prpE |
| **Sequence** | MKIDIIGDVH GCLEELEELL FKLGYQIKNG TYQHSNNRQI VFVGDITDRG PDSIKVIKLV YQLVKEKLAY YIPGNHCNKL YRFFQGNKVM EKHGLETTTA EYRSLSKEKQ NNIKHKFIEL YERSPLYLHL KNINVIIAHA GIPEHLIGKK DKRTKTFVLY GDITGEFDTT GKPIRRDWAK HYHGDSWIVY GHTPVLEPRV VNHTINIDTG CVFGNKLTAY RFPEKEFVSV ASRQPFIAEK FTDFNVSNEH |
| **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** | 28,982 Da |
| **Sequence Positions** | 1-250, 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 Q8ERS7 |
| **Species** | Oceanobacillus iheyensis (strain DSM 14371 / JCM 11309 / KCTC 3954 / HTE831) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for prpE recombinant protein** | MBS1294483 is a recombinant protein targeting prpE. Also known as Recombinant Oceanobacillus iheyensis Bis (5'-nucleosyl)-tetraphosphatase prpE [asymmetrical] (prpE). 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.

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| **NCBI GI #** | 499378044 |
| **NCBI Accession #** | WP_011065622.1 |
| **UniProt Primary Accession #** | Q8ERS7 |
| **GenBank Nucleotide #** | WP_011065622.1 |

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| **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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