Undecaprenyl-Diphosphatase (Uppp) (Pisl_0122) Pyrobaculum Islandicum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Undecaprenyl-diphosphatase (uppP) (Pisl_0122), Recombinant Protein
Full Product Name	Recombinant Pyrobaculum islandicum Undecaprenyl-diphosphatase (uppP)
Product Gene Name	Pisl_0122 recombinant protein
Product Synonym Gene Name	uppP
Product Synonym Names	Recombinant Undecaprenyl-diphosphatase (uppP); Undecaprenyl-diphosphatase EC= 3.6.1.27; Undecaprenyl pyrophosphate phosphatase
Sequence	MDFLTAIVLG VVQGVSEWLP ISSKTQVMFV SQLLLSATPE LAYSLGLFLE AASVLAALIY FRLVYLKILR GFLGDAEGRK WLTYVIVTTA ATGAVGIPLY MAAKRYLLLG ASAGWLMVVL GVAVIFNAVL LQRARSVAGL KTFDDMTLGH MALVGLAQAL SVLPGISRSG ITTTTLLLLG YRPDEAFKSS FVLVPIAGLG ATALAYLSEG GAVATPEVIT AMLIGLVVSL VTIKALLEFA KSKHVTLVNI VVGTLAIAGG ITRILLSS
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	28,112 Da
Sequence Positions	1-268
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.
Chromosome Location	NC_008701.1 (114366..115172)
3D Structure	ModBase 3D Structure for A1RQS3
Species	Pyrobaculum islandicum (strain DSM 4184 / JCM 9189)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Pisl_0122 recombinant protein	MBS1233434 is a recombinant protein targeting Pisl_0122. Also known as Recombinant Pyrobaculum islandicum Undecaprenyl-diphosphatase (uppP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Pisl_0122 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 Pisl_0122. It may not necessarily be applicable to this product.

NCBI GI #	119871641
NCBI GeneID	4616316

NCBI Accession #	YP_929648.1
UniProt Primary Accession #	A1RQS3
UniProt Related Accession #	A1RQS3
GenBank Nucleotide #	NC_008701.1
NCBI Official Full Name	undecaprenyl pyrophosphate phosphatase
NCBI Official Symbol	Pisl_0122
UniProt Protein Name	Undecaprenyl-diphosphatase
UniProt Synonym Protein Names	Undecaprenyl pyrophosphate phosphatase
UniProt Gene Name	uppP
UniProt Entry Name	UPPP_PYRIL
NCBI Protein Information	undecaprenyl pyrophosphate phosphatase
UniProt Comments for Pisl_0122	Function: Catalyzes the dephosphorylation of undecaprenyl diphosphate (UPP) By similarity. HAMAP-Rule MF_01006 Catalytic activity: Ditrans,octacis-undecaprenyl diphosphate + H2O = ditrans,octacis-undecaprenyl phosphate + phosphate. HAMAP-Rule MF_01006 Subcellular location: Cell membrane; Multi-pass membrane protein By similarity HAMAP-Rule MF_01006. Sequence similarities: Belongs to the UppP family.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/undecaprenyl-diphosphatase-uppp/1233434