Phosphoribosylamine--Glycine Ligase (purD) Methanococcus Maripaludis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphoribosylamine--glycine ligase (purD), Recombinant Protein
Full Product Name	Recombinant Methanococcus maripaludis Phosphoribosylamine--glycine ligase (purD)
Product Gene Name	purD recombinant protein
Sequence	MKVLLIGGGA REHAIAMALK KNELVELYTL MKNKNPGIYA ISDEVSFNSE TDVPAIKEFA EKIKPELAVI GPEAPLGVGA ADLLIEMGIP TVGPKKLPAQ IETSKEFMRN LFKKYEIDGS LRYAAFNEYG NDLETFIDEM TSLGKDVVVK PAGLTGGKGV KVVGEQLKDN EEAKIYAKEV FDKSIGGGNI IIEEKLVGVE FTLHGFVDGE NIVFMPAVQD HPHAYNNDEG PITGGMGSYS CPNHGLPFLS AEMLDRAEKI MEKTVSSINS EVGPYNGFLY GQFMLTADGP KIIEYNARFG DPEAMNLLPI LKTDFLDVCF AIAEGKLDKI NLEFENKATV CKYVVPNGYP IDPVRNKELT VDEKAIENAD AILFYASINE KNGKLYITGS RSAAVVGISE NIEEAEKIAQ MAIENFKGEV YYRSDIGTLG LIKKRIERVK QLAK
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	48,696 Da
Sequence Positions	1-444, 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 A4FZB0
Species	Methanococcus maripaludis (strain C5 / BAA-1333)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for purD recombinant protein	MBS1215543 is a recombinant protein targeting purD. Also known as Recombinant Methanococcus maripaludis Phosphoribosylamine--glycine ligase (purD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of purD 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 purD. It may not necessarily be applicable to this product.

NCBI GI #	500195790
NCBI Accession #	WP_011868997.1
UniProt Primary Accession #	A4FZB0
GenBank Nucleotide #	WP_011868997.1

NCBI Official Full Name	phosphoribosylamine--glycine ligase
UniProt Protein Name	Phosphoribosylamine--glycine ligase
UniProt Synonym Protein Names	GARS
Protein Family	Bifunctional purine biosynthetic protein
UniProt Gene Name	purD
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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