Phosphoribosylglycinamide Formyltransferase 2 (purT) Prochlorococcus Marinus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphoribosylglycinamide formyltransferase 2 (purT), Recombinant Protein
Full Product Name	Recombinant Prochlorococcus marinus Phosphoribosylglycinamide formyltransferase 2 (purT)
Product Gene Name	purT recombinant protein
Product Synonym Gene Name	purT
Sequence	MNVFPKKIML LGSGELGKEV AIAAKRLGCY VIACDRYNDA PAMQIADQFN VFNMNNGSEL KEVIYKCNPD IIIPEIEALA VDVLKEIEQK ITVIPNSRAT AITMNRDKIR DLASNELNIR TAKFSYAVNQ SELDLHAETI GYPLLIKPVM SSSGKGQSLV KNKNDLAQAW NLAIEKSRGK SNKIILEEFI DFDLEITLLT IRQSNGKTLF CAPIGHEQKN GDYQCSWQPA ELTESVLEKA QQIAKRVTDN LGGVGLFGVE FFIKGEEVIF SELSPRPHDT GLVTLISQNL NEFELHLRAV LGIPIPEIVC HEASASRVIL ASMETTDVAF TGLEQALSQS NTNVFMFGKP SSTEGRRMGV AVAKAETIDE ARIKADNAAQ SVQFINE
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	42,648 Da
Sequence Positions	1-387, 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 Q46KI4
Species	Prochlorococcus marinus (strain NATL2A)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for purT recombinant protein	MBS1328146 is a recombinant protein targeting purT. Also known as Recombinant Prochlorococcus marinus Phosphoribosylglycinamide formyltransferase 2 (purT). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of purT 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 purT. It may not necessarily be applicable to this product.

NCBI GI #	499613867
NCBI Accession #	WP_011294601.1
UniProt Primary Accession #	Q46KI4

GenBank Nucleotide #	WP_011294601.1
NCBI Official Full Name	phosphoribosylglycinamide formyltransferase 2
UniProt Protein Name	Formate-dependent phosphoribosylglycinamide formyltransferase
UniProt Synonym Protein Names	5'-phosphoribosylglycinamide transformylase 2
Protein Family	Phosphoribosylglycinamide formyltransferase
UniProt Gene Name	purT
UniProt Synonym Gene Names	GART 2
UniProt Comments for purT	Involved in the de novo purine biosynthesis. Catalyzes the transfer of formate to 5-phospho-ribosyl-glycinamide (GAR), producing 5-phospho-ribosyl-N-formylglycinamide (FGAR). Formate is provided by PurU via hydrolysis of 10-formyl-tetrahydrofolate.
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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