Phosphoribosylglycinamide Formyltransferase 2 (purT) Yersinia Pestis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphoribosylglycinamide formyltransferase 2 (purT), Recombinant Protein
Full Product Name	Recombinant Yersinia pestis Phosphoribosylglycinamide formyltransferase 2 (purT)
Product Gene Name	purT recombinant protein
Sequence	MLTIGTALRP GATRVMLLGA GELGKEVAIE CQRLGLEVIA VDRYADAPAM HVAHRSHVIN MLDGAALKQL VAQEKPHYIV PEIEAIATDM LVELEKMGQH VVPCAEATRL TMNREGIRRL AAETLQLPTS SYRFADTDSA FFQAVRDIGY PCIVKPVMSS SGKGQSLIRS EEHLQAAWEY AQQGGRAGSG RVIIEGLVHF DFEITLLTIR AVDGIHFCAP IGHRQEDGDY RESWQPQAMS DIALQRAKEI SAQVVTALGG FGLFGVELFV CGDDVIFSEV SPRPHDTGMV TLISQNMSEF ALHVRAFLGL PIGTIRQYGA AASAVILPEL TSQNITYRGL ETALIGDTQI RLFGKPEIAG KRRLGVALAV ADNIETAIEV AKKAAGNIEV SGE
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	42,511 Da
Sequence Positions	1-393, 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 A4TKC7
Species	Yersinia pestis (strain Pestoides F)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for purT recombinant protein	MBS1234687 is a recombinant protein targeting purT. Also known as Recombinant Yersinia pestis 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 #	488139875
NCBI Accession #	WP_002211083.1
UniProt Primary Accession #	A4TKC7
GenBank Nucleotide #	WP_002211083.1

NCBI Official Full Name	MULTISPECIES: 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.
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