Phosphoribosylformylglycinamidine Cyclo-Ligase (purM) Clostridium Acetobutylicum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphoribosylformylglycinamidine cyclo-ligase (purM), Recombinant Protein
Full Product Name	Recombinant Clostridium acetobutylicum Phosphoribosylformylglycinamidine cyclo-ligase (purM)
Product Gene Name	purM recombinant protein
Product Synonym Gene Name	purM
Sequence	MVTYKDSGVN IEEGYKSVKL MKDYASKTFI PGVINNLGSF AGMFEIGSGY KNPVLVSGTD GVGTKLAVAF ATKKYDTVGI DCTAMCVNDI LCHGAKPVFF LDYIACGKLE AEVASDLVKG VSEGCSQAGC ALIGGETAEM PGFYKEGEYD LAGFAVGLVD KDKIIDGSKI EDGNVLIGIA SSGIHSNGYS LVRKLITDFN EEFNGKKIGE VLLTPTKIYV KPVLKVLESF DVKGMAHITG GGFYENIPRM FKGDFTAVIN KESLEIPEIF KHIMSLGVDE NHAFNTFNMG IGFVICAAKE DKDGIIASLK ESGEKAYEIG YVKAGGSGVC IK
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	35,432 Da
Sequence Positions	1-332, 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 Q97J93
Species	Clostridium acetobutylicum (strain 824 / DSM 792 / JCM 1419 / LMG 5710 / VKM B-1787)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for purM recombinant protein	MBS1420753 is a recombinant protein targeting purM. Also known as Recombinant Clostridium acetobutylicum Phosphoribosylformylglycinamidine cyclo-ligase (purM). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of purM 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 purM. It may not necessarily be applicable to this product.

NCBI GI #	15894672
NCBI GeneID	1117576
NCBI Accession #	NP_348021.1
UniProt Primary Accession #	Q97J93

UniProt Related Accession #	Q97J93
GenBank Nucleotide #	NC_003030.1
NCBI Official Full Name	phosphoribosylaminoimidazole synthetase
NCBI Official Symbol	purM
UniProt Protein Name	Phosphoribosylformylglycinamidine cyclo-ligase
UniProt Synonym Protein Names	AIR synthase
Protein Family	Phosphoribosylformylglycinamidine cyclo-ligase
UniProt Gene Name	purM
NCBI Protein Information	phosphoribosylaminoimidazole synthetase
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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