Orotidine 5'-Phosphate Decarboxylase (pyrF) Synechococcus Elongatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Orotidine 5'-phosphate decarboxylase (pyrF), Recombinant Protein
Full Product Name	Recombinant Synechococcus elongatus Orotidine 5'-phosphate decarboxylase (pyrF)
Product Gene Name	pyrF recombinant protein
Product Synonym Gene Name	pyrF
Sequence	MTDLAARDRI IVPLDVPDVE AAITLIDRLP EAQFFKVGLE LFVATGSTVL TILKERQKKI FLDLKLHDIP NTMAGACRSA ARYGVDLLTI HATAGKPALE AAQAGAIAGA AAAGVQPPTL LAVTVLTSLS QQQLTEELHV PEAVPNYVQH LARQAEACGI GGCVCSPQEL VVLKTACSDD FVRVTPGVRP TWAAAGDQQR VMTPQQAIAA GATYLVVGRP ITAADDPAAA FQRVCEELTP
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	25,268 Da
Sequence Positions	1-240, 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 Q31K20
Species	Synechococcus elongatus (strain PCC 7942) (Anacystis nidulans R2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pyrF recombinant protein	MBS1343771 is a recombinant protein targeting pyrF. Also known as Recombinant Synechococcus elongatus Orotidine 5'-phosphate decarboxylase (pyrF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pyrF 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 pyrF. It may not necessarily be applicable to this product.

NCBI GI #	499563068
NCBI Accession #	WP_011243851.1
UniProt Primary Accession #	Q31K20
GenBank Nucleotide #	WP_011243851.1

NCBI Official Full Name	MULTISPECIES: orotidine-5'-phosphate decarboxylase
UniProt Protein Name	Orotidine 5'-phosphate decarboxylase
UniProt Synonym Protein Names	OMP decarboxylase
Protein Family	Orotidine 5'-phosphate decarboxylase
UniProt Gene Name	pyrF
UniProt Synonym Gene Names	OMPDCase; OMPdecase
UniProt Comments for pyrF	Catalyzes the decarboxylation of orotidine 5'-monophosphate (OMP) to uridine 5'-monophosphate (UMP).
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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