Uridylate Kinase (pyrH) Sphingopyxis Alaskensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Uridylate kinase (pyrH), Recombinant Protein
Full Product Name	Recombinant Sphingopyxis alaskensis Uridylate kinase (pyrH)
Product Gene Name	pyrH recombinant protein
Product Synonym Gene Name	pyrH
Sequence	MALPGLKRIL LKLSGEALMG PSPFGIDPET VASMAAEVKE AKDRGLEICL VIGGGNIFRG MAGAAKGMDR AQADYMGMLA TVMNALAMQN ALEQLGVQTR VQSAIEMDKV CEPVIRRRAE RHMEKGRVVI FAAGVGAPYF TTDSGAALRA AEMKCDALLK GTSVDGVYNA DPKQDANAVR YDRLSYDRVL ADNLKVMDAS AVALCRDNHI PIVVFNIREP GNLARVLAGE GVSTVVGDGA V
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	25,566 Da
Sequence Positions	1-241, 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 Q1GRQ2
Species	Sphingopyxis alaskensis (strain DSM 13593 / LMG 18877 / RB2256) (Sphingomonas alaskensis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pyrH recombinant protein	MBS1391703 is a recombinant protein targeting pyrH. Also known as Recombinant Sphingopyxis alaskensis Uridylate kinase (pyrH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pyrH 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 pyrH. It may not necessarily be applicable to this product.

NCBI GI #	499861512
NCBI Accession #	WP_011542246.1
UniProt Primary Accession #	Q1GRQ2
GenBank Nucleotide #	WP_011542246.1
NCBI Official Full Name	UMP kinase

UniProt Protein Name	Uridylate kinase
UniProt Synonym Protein Names	Uridine monophosphate kinase
UniProt Gene Name	pyrH
UniProt Synonym Gene Names	UK; UMP kinase; UMPK
UniProt Comments for pyrH	Catalyzes the reversible phosphorylation of UMP to UDP.
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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