2-Amino-5-Formylamino-6-Ribosylaminopyrimidin-4 (3h)-One 5'-Monophosphate Deformylase (arfB) Methanococcus Maripaludis Recombinant Protein

PRODUCT OVERVIEW

Product Name	2-amino-5-formylamino-6-ribosylaminopyrimidin-4 (3H)-one 5'-monophosphate deformylase (arfB), Recombinant Protein
Full Product Name	Recombinant Methanococcus maripaludis 2-amino-5-formylamino-6-ribosylaminopyrimidin-4 (3H)-one 5'-monophosphate deformylase (arfB)
Product Gene Name	arfB recombinant protein
Product Synonym Gene Name	arfB
Sequence	MIDLRYSSGN IFSESVHEIG IIALGSFLEN HGSALPIDTD AKIASYIALN VSIITGAKFL GIVLPSTEYS YVKHGIHDSI EDVINYIKYL VENGRKIGIK KFLIINCHGG NTIIEDELLK LNSKDCFITM NSVCLTHAST EEVSLGYAVG ILSEDKMKDH DPKVYGEIGM VGLTEAREKN EAIDLEAKSV EENGVFLDKV NGKSLLNDLI NNYVEIVKNM I
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	24,325 Da
Sequence Positions	1-221, 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 Q6LWK4
Species	Methanococcus maripaludis (strain S2 / LL)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for arfB recombinant protein	MBS1324994 is a recombinant protein targeting arfB. Also known as Recombinant Methanococcus maripaludis 2-amino-5-formylamino-6-ribosylaminopyrimidin-4 (3H)-one 5'-monophosphate deformylase (arfB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of arfB 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 arfB. It may not necessarily be applicable to this product.

NCBI GI #	499485009
NCBI Accession #	WP_011171649.1
UniProt Primary Accession #	Q6LWK4

GenBank Nucleotide #	WP_011171649.1
NCBI Official Full Name	2-amino-5-formylamino-6-ribosylaminopyrimidin-4(3H)-one 5'-monophosphate deformylase
UniProt Protein Name	2-amino-5-formylamino-6-ribosylaminopyrimidin-4(3H)-one 5'-monophosphate deformylase
UniProt Synonym Protein Names	Formamide hydrolase
Protein Family	2-amino-5-formylamino-6-ribosylaminopyrimidin-4(3H)-one 5'-monophosphate deformylase
UniProt Gene Name	arfB
UniProt Synonym Gene Names	FAPy deformylase
UniProt Comments for arfB	Catalyzes the hydrolysis of the formamide of 2-amino-5-formylamino-6-ribosylamino-4(3H)-pyrimidinone 5'-monophosphate (FAPy) to form 2,5-diamino-6-ribosylamino-4(3H)-pyrimidinone 5'-phosphate (APy).
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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