3-Methyl-2-Oxobutanoate Hydroxymethyltransferase (panB) Prochlorococcus Marinus Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-methyl-2-oxobutanoate hydroxymethyltransferase (panB), Recombinant Protein
Full Product Name	Recombinant Prochlorococcus marinus 3-methyl-2-oxobutanoate hydroxymethyltransferase (panB)
Product Gene Name	panB recombinant protein
Product Synonym Gene Name	panB
Sequence	MQTTELVRFK KLGKQISVLT AWDAISSSIV EAAGADVVLV GDSLGMVVLG HSTTLPVTLD QMLHHTKAVC RGFCKPLSKQ PLVVCDLPFL SYQCGEDKAV EAAGTLLKNS TASAVKLEGA EPETLLVIKR LIRMGIPVMG HLGLTPQSVH QLGYKSQARD KDSQEKIFKD SKMLQESGCF AIVLEHIPGE IASRLKKHID IPVIGIGAGN DCDGQVRVTA DILGLSIAQP PFAKPLLAGR ELCINALKEW INSTDLDQVN PTTKTSESKS DC
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	29,237 Da
Sequence Positions	1-272, 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 Q46JG1
Species	Prochlorococcus marinus (strain NATL2A)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for panB recombinant protein	MBS1364223 is a recombinant protein targeting panB. Also known as Recombinant Prochlorococcus marinus 3-methyl-2-oxobutanoate hydroxymethyltransferase (panB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of panB 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 panB. It may not necessarily be applicable to this product.

NCBI GI #	499614490
NCBI Accession #	WP_011295224.1
UniProt Primary Accession #	Q46JG1
GenBank Nucleotide #	WP_011295224.1

NCBI Official Full Name	3-methyl-2-oxobutanoate hydroxymethyltransferase
UniProt Protein Name	3-methyl-2-oxobutanoate hydroxymethyltransferase
UniProt Synonym Protein Names	Ketopantoate hydroxymethyltransferase
UniProt Gene Name	panB
UniProt Synonym Gene Names	KPHMT
UniProt Comments for panB	Catalyzes the reversible reaction in which hydroxymethyl group from 5,10-methylenetetrahydrofolate is transferred onto alpha-ketoisovalerate to form ketopantoate.
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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