3-Methyl-2-Oxobutanoate Hydroxymethyltransferase (panB) Xanthomonas Campestris Pv. Campestris Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-methyl-2-oxobutanoate hydroxymethyltransferase (panB), Recombinant Protein
Full Product Name	Recombinant Xanthomonas campestris pv. campestris 3-methyl-2-oxobutanoate hydroxymethyltransferase (panB)
Product Gene Name	panB recombinant protein
Product Synonym Gene Name	panB
Sequence	MSSHADSKPW TVPALAQAKR DGRKLVMLTA YDAGFARTFD ANGVDLILVG DSLGMVVQGH ESTLPVTTAD MVYHTAAVAR VLERALLVAD LSFQADATPE RALDAATQLL QAGAEMVKIE GAGHKLDVIR YLVEREIPVC SHLGLTPQSV LRFGGYKVQG RGEAGEQLRR DAQAAVDAGA SLIVLECVPT PIAAQISAEL RVPTIGIGAG PGCDGQVLVM HDMLGLDSGH RRPKFVKDFL AEGGSVAGAV QAYAQAVRDG SFPDAEHAYA A
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	28,495 Da
Sequence Positions	1-271, 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 Q8P9T0
Species	Xanthomonas campestris pv. campestris (strain 33913 / NCPPB 528 / LMG 568)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for panB recombinant protein	MBS1339275 is a recombinant protein targeting panB. Also known as Recombinant Xanthomonas campestris pv. campestris 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 #	21231217
NCBI GeneID	998520
NCBI Accession #	NP_637134.1
UniProt Primary Accession #	Q8P9T0

UniProt Related Accession #	Q8P9T0
GenBank Nucleotide #	NC_003902.1
NCBI Official Full Name	3-methyl-2-oxobutanoate hydroxymethyltransferase
NCBI Official Symbol	panB
UniProt Protein Name	3-methyl-2-oxobutanoate hydroxymethyltransferase
UniProt Synonym Protein Names	Ketopantoate hydroxymethyltransferase
UniProt Gene Name	panB
UniProt Synonym Gene Names	KPHMT
NCBI Protein Information	3-methyl-2-oxobutanoate hydroxymethyltransferase
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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