3-Methyl-2-Oxobutanoate Hydroxymethyltransferase (panB) Bacteroides Thetaiotaomicron Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-methyl-2-oxobutanoate hydroxymethyltransferase (panB), Recombinant Protein
Full Product Name	Recombinant Bacteroides thetaiotaomicron 3-methyl-2-oxobutanoate hydroxymethyltransferase (panB)
Product Gene Name	panB recombinant protein
Product Synonym Gene Name	panB
Sequence	MAGYISDDTR KVTTHRLVEM KQRGERISML TSYDYTMAQI VDGAGMDVIL VGDSASNVMA GNVTTLPITL DQMIYHAKSV VRGVKRAMVV VDMPFGSYQG NEMEGLASAI RIMKESHADA LKLEGGEEII DTVKRIISAG IPVMGHLGLM PQSINKYGTY TVRAKDDSEA EKLIRDAHLL EEAGCFAIVL EKIPATLAER VASELTIPII GIGAGGHVDG QVLVIQDMLG MNNGFRPRFL RRYADLYTVM TDAISRYVSD VKNCDFPNEK EQY
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	30,011 Da
Sequence Positions	1-273, 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 Q8A9W7
Species	Bacteroides thetaiotaomicron (strain 29148 / DSM 2079 / 10582 / E50 / VPI-5482)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for panB recombinant protein	MBS1355421 is a recombinant protein targeting panB. Also known as Recombinant Bacteroides thetaiotaomicron 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 #	29346108
NCBI GeneID	1075840
NCBI Accession #	NP_809611.1
UniProt Primary Accession #	Q8A9W7

UniProt Related Accession #	Q8A9W7
GenBank Nucleotide #	NC_004663.1
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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