3-Methyl-2-Oxobutanoate Hydroxymethyltransferase 1 (panB1) Burkholderia Cenocepacia Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-methyl-2-oxobutanoate hydroxymethyltransferase 1 (panB1), Recombinant Protein
Full Product Name	Recombinant Burkholderia cenocepacia 3-methyl-2-oxobutanoate hydroxymethyltransferase 1 (panB1)
Product Gene Name	panB1 recombinant protein
Sequence	MTYLQESSRP AVTVPKLQAM RDAGEKIAML TCYDASFSAL LDRAGTDVLL IGDSLGNVLQ GHTTTLPVSI DDIAYHTACV ARAQPRALVV ADLPFGTYGT PVDAFANAVK LMRAGAQMVK LEGGEWLADT IRFLVERSVP VCAHLGLTPQ SVHAFGGFKV QGKTEAGAAQ LLRDARAIED AGAQLVVLEA VPTLVAAEVT HMLKIPTIGI GAGVDCSGQV LVLHDMLGVF PGKRPRFVKD FMQGQPNIQA AVEAYVSAVK DRSFPGPEHS F
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	28,752 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 A0K4T1
Species	Burkholderia cenocepacia (strain HI2424)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for panB1 recombinant protein	MBS1222663 is a recombinant protein targeting panB1. Also known as Recombinant Burkholderia cenocepacia 3-methyl-2-oxobutanoate hydroxymethyltransferase 1 (panB1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of panB1 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 panB1. It may not necessarily be applicable to this product.

NCBI GI #	493522748
NCBI Accession #	WP_006476834.1
UniProt Primary Accession #	A0K4T1
GenBank Nucleotide #	WP_006476834.1
NCBI Official Full Name	MULTISPECIES: 3-methyl-2-oxobutanoate hydroxymethyltransferase

UniProt Protein Name	3-methyl-2-oxobutanoate hydroxymethyltransferase 1
UniProt Synonym Protein Names	Ketopantoate hydroxymethyltransferase 1
Protein Family	3-methyl-2-oxobutanoate hydroxymethyltransferase
UniProt Gene Name	panB1
UniProt Synonym Gene Names	KPHMT 1
UniProt Comments for panB1	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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