3-Methyl-2-Oxobutanoate Hydroxymethyltransferase 2 (panB2) Pseudomonas Fluorescens Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-methyl-2-oxobutanoate hydroxymethyltransferase 2 (panB2), Recombinant Protein
Full Product Name	Recombinant Pseudomonas fluorescens 3-methyl-2-oxobutanoate hydroxymethyltransferase 2 (panB2)
Product Gene Name	panB2 recombinant protein
Product Synonym Gene Name	panB2
Sequence	MPDITLTTLQ SLKQKGEKIT MLTCYDATFA HTCCEAGVEV LLVGDSLGMV LQGHDSTLPV STADMAYHVA AVKRGNNGAL ILADLPFMSY ATTEQALSSS AQLMQAGAHM LKIEGAAWLA EPVRLLNERG VPVCVHMGLT PQTVNVLGGY KVQGRNESQA RQMRADAIAL EQAGAAMLLL ECVPSELAAE ITQAVKIPVI GIGAGNATDG QVLVLHDMLG LSLSGRSPKF VKNFMAGKDS IQAALSAYVE EVKAVTFPGA EHGFSA
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	27,966 Da
Sequence Positions	1-266, 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 Q4K5Y4
Species	Pseudomonas fluorescens (strain Pf-5 / BAA-477)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for panB2 recombinant protein	MBS1307334 is a recombinant protein targeting panB2. Also known as Recombinant Pseudomonas fluorescens 3-methyl-2-oxobutanoate hydroxymethyltransferase 2 (panB2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of panB2 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 panB2. It may not necessarily be applicable to this product.

NCBI GI #	499375933
NCBI Accession #	WP_011063511.1
UniProt Primary Accession #	Q4K5Y4
GenBank Nucleotide #	WP_011063511.1

NCBI Official Full Name	MULTISPECIES: 3-methyl-2-oxobutanoate hydroxymethyltransferase
UniProt Protein Name	3-methyl-2-oxobutanoate hydroxymethyltransferase 2
UniProt Synonym Protein Names	Ketopantoate hydroxymethyltransferase 2
Protein Family	3-methyl-2-oxobutanoate hydroxymethyltransferase
UniProt Gene Name	panB2
UniProt Synonym Gene Names	KPHMT 2
UniProt Comments for panB2	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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