Pantothenate Synthetase (panC) Aquifex Aeolicus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pantothenate synthetase (panC), Recombinant Protein
Full Product Name	Recombinant Aquifex aeolicus Pantothenate synthetase (panC)
Product Gene Name	panC recombinant protein
Sequence	MPLLFKKIKD LRNFLKNKRC EGKEIGFVPT MGYLHEGHRQ LIKLARMQND IVVVSIFVNP TQFGEGEDYD RYPRDLERDL EICEEEGVDV VFAPEVDEIY PKGYRTKVCV GELGKVLEGE FRPGHFDGVA TIVVKLFNIV QPNRAYFGEK DYQQLKIIEQ VVEDLNIPVE IVPVPIVREE DGLAYSSRNV YLSPEERESA LSIYKSFLLA EKMIKAGERD AKRIKEAIRA FIERHPHVKG VDYVEITDQN LNPKETVEKG DRILVAVRVG NARLIDNWKV QS
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	32,433 Da
Sequence Positions	1-282, Full length
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 O67891
Species	Aquifex aeolicus (strain VF5)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for panC recombinant protein	MBS1217606 is a recombinant protein targeting panC. Also known as Recombinant Aquifex aeolicus Pantothenate synthetase (panC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of panC 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 panC. It may not necessarily be applicable to this product.

NCBI GI #	15607078
NCBI GeneID	1193880
NCBI Accession #	NP_214460.1
UniProt Primary Accession #	O67891
UniProt Related Accession #	O67891
GenBank Nucleotide #	NC_000918.1

NCBI Official Full Name	pantothenate synthetase
NCBI Official Symbol	panC
UniProt Protein Name	Pantothenate synthetase
UniProt Synonym Protein Names	Pantoate--beta-alanine ligase
Protein Family	Pantothenate synthetase
UniProt Gene Name	panC
UniProt Synonym Gene Names	PS
NCBI Protein Information	pantothenate synthetase
UniProt Comments for panC	Catalyzes the condensation of pantoate with beta-alanine in an ATP-dependent reaction via a pantoyl-adenylate intermediate.
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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