Glutamine Amidotransferase Subunit Pdxt (pdxT) Methanopyrus Kandleri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutamine amidotransferase subunit pdxT (pdxT), Recombinant Protein
Full Product Name	Recombinant Methanopyrus kandleri Glutamine amidotransferase subunit pdxT (pdxT)
Product Gene Name	pdxT recombinant protein
Product Synonym Gene Name	pdxT
Sequence	MKVAVVAVQG AVEEHESILE AAGERIGEDV EVVWARYPED LEDVDAVVIP GGESTTIGRL MERHDLVKPL LELAESDTPI LGTCAGMVIL AREVVPQAHP GTEVEIEQPL LGLMDVRVVR NAFGRQRESF EVDIEIEGLE DRFRAVFIRA PAVDEVLSDD VKVLAEYGDY IVAVEQDHLL ATAFHPELTD DPRLHAYFLE KV
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	22,377 Da
Sequence Positions	1-202, 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 Q8TWH2
Species	Methanopyrus kandleri (strain AV19 / DSM 6324 / JCM 9639 / NBRC 100938)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pdxT recombinant protein	MBS1454888 is a recombinant protein targeting pdxT. Also known as Recombinant Methanopyrus kandleri Glutamine amidotransferase subunit pdxT (pdxT). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pdxT 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 pdxT. It may not necessarily be applicable to this product.

NCBI GI #	68565825
NCBI Accession #	Q8TWH2.1
UniProt Primary Accession #	Q8TWH2
NCBI Official Full Name	Pyridoxal 5'-phosphate synthase subunit PdxT
UniProt Protein Name	Pyridoxal 5'-phosphate synthase subunit PdxT

UniProt Synonym Protein Names	Pdx2
Protein Family	Pyridoxal 5'-phosphate synthase
UniProt Gene Name	pdxT
UniProt Comments for pdxT	Catalyzes the hydrolysis of glutamine to glutamate and ammonia as part of the biosynthesis of pyridoxal 5'-phosphate. The resulting ammonia molecule is channeled to the active site of PdxS.
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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