Aspartate 1-Decarboxylase (panD) Pelodictyon Phaeoclathratiforme Recombinant Protein

PRODUCT OVERVIEW

Product Name	Aspartate 1-decarboxylase (panD), Recombinant Protein
Full Product Name	Recombinant Pelodictyon phaeoclathratiforme Aspartate 1-decarboxylase (panD)
Product Gene Name	panD recombinant protein
Sequence	MKLHILKSKI HNAIVTSGDL EYEG
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	14,328 Da
Sequence Positions	1-24, 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 B4SCF6
Species	Pelodictyon phaeoclathratiforme (strain DSM 5477 / BU-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for panD recombinant protein	MBS1153462 is a recombinant protein targeting panD. Also known as Recombinant Pelodictyon phaeoclathratiforme Aspartate 1-decarboxylase (panD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of panD 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 panD. It may not necessarily be applicable to this product.

NCBI GI #	501498983
NCBI Accession #	WP_012507231.1
UniProt Primary Accession #	B4SCF6
GenBank Nucleotide #	WP_012507231.1
NCBI Official Full Name	aspartate 1-decarboxylase
UniProt Protein Name	Aspartate 1-decarboxylase
UniProt Synonym Protein Names	Aspartate alpha-decarboxylase
Protein Family	Aspartate 1-decarboxylase

UniProt Gene Name	panD
UniProt Comments for panD	Catalyzes the pyruvoyl-dependent decarboxylation of aspartate to produce beta-alanine.
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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