Pyridoxine/Pyridoxamine 5'-Phosphate Oxidase (pdxH) Burkholderia Pseudomallei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pyridoxine/pyridoxamine 5'-phosphate oxidase (pdxH), Recombinant Protein
Full Product Name	Recombinant Burkholderia pseudomallei Pyridoxine/pyridoxamine 5'-phosphate oxidase (pdxH)
Product Gene Name	pdxH recombinant protein
Product Synonym Gene Name	pdxH
Sequence	MTTLADLRTN YSRASLDAAD VNPNPFVQFD VWFKEALDAQ LPEPNTMTLA TVDESGRPSA RIVLIKGADE RGFVFFTNYE SRKGRELAHN PNAALLFYWI ELERQVRVEG RIEKTSEEES DRYFASRPLG SRIGAWASEQ SAVIESRALL EAREKEIGAR FGENPPRPPH WGGYRLVPSS IEFWQGRPSR LHDRLLYTRD AASASGWKIA RLAP
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	24,265 Da
Sequence Positions	1-214, 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 Q3JVD0
Species	Burkholderia pseudomallei (strain 1710b)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pdxH recombinant protein	MBS1451379 is a recombinant protein targeting pdxH. Also known as Recombinant Burkholderia pseudomallei Pyridoxine/pyridoxamine 5'-phosphate oxidase (pdxH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pdxH 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 pdxH. It may not necessarily be applicable to this product.

NCBI GI #	490657653
NCBI Accession #	WP_004522643.1
UniProt Primary Accession #	Q3JVD0
GenBank Nucleotide #	WP_004522643.1
NCBI Official Full Name	MULTISPECIES: pyridoxine/pyridoxamine 5'-phosphate oxidase

UniProt Protein Name	Pyridoxine/pyridoxamine 5'-phosphate oxidase
UniProt Synonym Protein Names	PNP/PMP oxidase
Protein Family	Pyridoxine/pyridoxamine 5'-phosphate oxidase
UniProt Gene Name	pdxH
UniProt Synonym Gene Names	PNPOx
UniProt Comments for pdxH	Catalyzes the oxidation of either pyridoxine 5'-phosphate (PNP) or pyridoxamine 5'-phosphate (PMP) into pyridoxal 5'-phosphate (PLP).
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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