Erythronate-4-Phosphate Dehydrogenase (pdxB) Shigella Boydii Serotype 18 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Erythronate-4-phosphate dehydrogenase (pdxB), Recombinant Protein
Full Product Name	Recombinant Shigella boydii serotype 18 Erythronate-4-phosphate dehydrogenase (pdxB)
Product Gene Name	pdxB recombinant protein
Sequence	MKILVDENMP YARDLFSRLG EVTAVPGRPI PVAQLADADA LMVRSVTKVN ESLLAGKPIK FVGTATAGTD HVDEAWLKQA GIGFSAAPGC NAIAVVEYVF SSLLMLAERD GFSLHDRTVG IVGVGNVGRR LQARLEALGI KTLLCDPPRA DRGDEGDFRS LDELVQHADI LTFHTPLFKD GPYKTLHLAD EKLIRSLKPG AILINACRGA VVDNTALLTC LNEGQKLSVV LDVWEGEPEL NVELLTKVDI GTPHIAGYTL EGKARGTTQV FEAYSKFIGH EQHVALDTLL PAPEFGRITL HGPLDQPTLK RLVHLVYDVR RDDAPLRKVA GIPGEFDKLR KNYLERREWS SLYVICDDAS AASLLCKLGF NAVHHPAR
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	41,306 Da
Sequence Positions	1-378, 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 B2TWA2
Species	Shigella boydii serotype 18 (strain CDC 3083-94 / BS512)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pdxB recombinant protein	MBS1161285 is a recombinant protein targeting pdxB. Also known as Recombinant Shigella boydii serotype 18 Erythronate-4-phosphate dehydrogenase (pdxB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pdxB 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 pdxB. It may not necessarily be applicable to this product.

NCBI GI #	446621775
NCBI Accession #	WP_000699121.1
UniProt Primary Accession #	B2TWA2
GenBank Nucleotide #	WP_000699121.1

NCBI Official Full Name	MULTISPECIES: erythronate-4-phosphate dehydrogenase
UniProt Protein Name	Erythronate-4-phosphate dehydrogenase
Protein Family	Erythronate-4-phosphate dehydrogenase
UniProt Gene Name	pdxB
UniProt Comments for pdxB	Catalyzes the oxidation of erythronate-4-phosphate to 3-hydroxy-2-oxo-4-phosphonooxybutanoate.
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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