2-Aminoethylphosphonate--Pyruvate Transaminase (phnW) Pseudomonas Entomophila Recombinant Protein

PRODUCT OVERVIEW

Product Name	2-aminoethylphosphonate--pyruvate transaminase (phnW), Recombinant Protein
Full Product Name	Recombinant Pseudomonas entomophila 2-aminoethylphosphonate--pyruvate transaminase (phnW)
Product Gene Name	phnW recombinant protein
Product Synonym Gene Name	phnW
Sequence	MSNAPILLTP GPLTTSTRTR QAMLVDWGSW DRDFNQLTAS VCEQLLAIID GSASHHCVPL QGSGTFAVEA AIGTLVPRDG KVLVLINGAY GQRLAKICKV LGRTFSTFET AEDQPTTAED VDRLLAADPA VTHVALIHCE TSTGILNPLP EIAQVIQRHG KRLIIDAMSS FGALPIDARE VPFEALIAAS GKCLEGVPGM GFVFAEKTAL AAAEGNAHSL AMDLQDQHAY MAKTGQWRFT PPTHVVAALH EALLQYNEEG GLPARHQRYQ DNCQTLLDGM AKIGLHSFLP AEIQAPIIVT FHAPKDPRYQ FKDFYERVKA KGFILYPGKL TQVETFRVGC IGVVGAAGMQ AAVDAVAEVL REMEVLDI
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	39,751 Da
Sequence Positions	1-368, 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 Q1I7U0
Species	Pseudomonas entomophila (strain L48)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for phnW recombinant protein	MBS1333105 is a recombinant protein targeting phnW. Also known as Recombinant Pseudomonas entomophila 2-aminoethylphosphonate--pyruvate transaminase (phnW). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of phnW 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 phnW. It may not necessarily be applicable to this product.

NCBI GI #	499853938
NCBI Accession #	WP_011534672.1
UniProt Primary Accession #	Q1I7U0

GenBank Nucleotide #	WP_011534672.1
NCBI Official Full Name	2-aminoethylphosphonate--pyruvate aminotransferase
UniProt Protein Name	2-aminoethylphosphonate--pyruvate transaminase
UniProt Synonym Protein Names	2-aminoethylphosphonate aminotransferase
Protein Family	2-aminoethylphosphonate--pyruvate transaminase
UniProt Gene Name	phnW
UniProt Synonym Gene Names	AEPT
UniProt Comments for phnW	Involved in phosphonate degradation.
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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