Phosphonoacetaldehyde Hydrolase (phnX) Bordetella Parapertussis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphonoacetaldehyde hydrolase (phnX), Recombinant Protein
Full Product Name	Recombinant Bordetella parapertussis Phosphonoacetaldehyde hydrolase (phnX)
Product Gene Name	phnX recombinant protein
Product Synonym Gene Name	phnX
Sequence	MNAMTLATLP VRLEALVFDW AGTLVDFGSF APTKVFVDAF ARFGVQISLE QARGPMGMGK WDHIRALCND AAIARQYQEQ FGRLPTDEDV TAIYERFLPM QLEKVAEYSQ PIPGAIELLH GLRQRGLKLG SCSGYPAAVM QRVLERAERE GLALDYVVAS DDVPRSRPAP AMALRNVVEL GIADVAGCVK VDDTAPGVEE GRRAGMWTVG LLLSGNAAGL SLEQFLSLDE AGREAARDRA RAELQAGAPH YLIDTVADLP PVLADIETRL AAGQRP
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	29,871 Da
Sequence Positions	1-276, 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 Q7W7R1
Species	Bordetella parapertussis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for phnX recombinant protein	MBS1354033 is a recombinant protein targeting phnX. Also known as Recombinant Bordetella parapertussis Phosphonoacetaldehyde hydrolase (phnX). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of phnX 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 phnX. It may not necessarily be applicable to this product.

NCBI GI #	489916901
NCBI Accession #	WP_003820286.1
UniProt Primary Accession #	Q7W7R1
GenBank Nucleotide #	WP_003820286.1
NCBI Official Full Name	MULTISPECIES: phosphonoacetaldehyde hydrolase

UniProt Protein Name	Phosphonoacetaldehyde hydrolase
UniProt Synonym Protein Names	Phosphonoacetaldehyde phosphonohydrolase
Protein Family	Phosphonoacetaldehyde hydrolase
UniProt Gene Name	phnX
UniProt Synonym Gene Names	Phosphonatase
UniProt Comments for phnX	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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