Phosphate Import ATP-Binding Protein Pstb 1 (pstB1) Gloeobacter Violaceus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphate import ATP-binding protein PstB 1 (pstB1), Recombinant Protein
Full Product Name	Recombinant Gloeobacter violaceus Phosphate import ATP-binding protein PstB 1 (pstB1)
Product Gene Name	pstB1 recombinant protein
Product Synonym Gene Name	pstB1
Sequence	MVRNPMASAV ESTLKTKAQT SNLSFYYGAI QALKNIHLTL AEHRVTALIG PSGCGKTTYL RCFNRMHDLY PGNRYEGQIL LYPDEVNIVG PEVDPIEVRM RVSMVFQKPN PFPKSVYENV AYGLRVRGVR NRAELDEKVE RALRQAALWE EVKDRLASLA FNLSGGQQQR LCIARALASE PEIILFDEPT SALDPLATLK IEELMGKLKQ SITILIVTHN MQQAARISDF TAFMYLGEVI ESGQTNQMFD HPTNQLTEQY VAGHFG
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	29,905 Da
Sequence Positions	1-266, 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 Q7NPP4
Species	Gloeobacter violaceus (strain PCC 7421)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pstB1 recombinant protein	MBS1379531 is a recombinant protein targeting pstB1. Also known as Recombinant Gloeobacter violaceus Phosphate import ATP-binding protein PstB 1 (pstB1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pstB1 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 pstB1. It may not necessarily be applicable to this product.

NCBI GI #	37519580
NCBI GeneID	2600090
NCBI Accession #	NP_922957.1
UniProt Primary Accession #	Q7NPP4

UniProt Related Accession #	Q7NPP4
GenBank Nucleotide #	NC_005125.1
NCBI Official Full Name	phosphate ABC transporter ATP binding protein
NCBI Official Symbol	glr0011
UniProt Protein Name	Phosphate import ATP-binding protein PstB 1
UniProt Synonym Protein Names	ABC phosphate transporter 1
Protein Family	Phosphate import ATP-binding protein
UniProt Gene Name	pstB1
NCBI Protein Information	phosphate ABC transporter ATP binding protein
UniProt Comments for pstB1	Part of the ABC transporter complex PstSACB involved in phosphate import. Responsible for energy coupling to the transport system.
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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