Phosphate Import ATP-Binding Protein Pstb 1 (pstB1) Shewanella Oneidensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphate import ATP-binding protein PstB 1 (pstB1), Recombinant Protein
Full Product Name	Recombinant Shewanella oneidensis Phosphate import ATP-binding protein PstB 1 (pstB1)
Product Gene Name	pstB1 recombinant protein
Product Synonym Gene Name	pstB1
Sequence	MISIDSTAMK TNSFDLANLS QDDTALEIRN LDLRYGDKQA LFNVSMKIPK KQVTAFIGPS GCGKSTLLRC INRMNDLVDN CHIDGEILLH GQNIYDKRID VAALRRNVGM VFQRPNPFPK SIYENVVYGL RLQGINNRRE LDEAAERSLR GAAIWDEVKD RLHDNAFGLS GGQQQRLVIA RAIAIEPEVL LLDEPTSALD PISTLTIEEL ITELKTKYTV VIVTHNMQQA ARVSDQTAFM YMGELVEYAD TNTIFTTPKK RKTEDYITGR YG
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	30,643 Da
Sequence Positions	1-272, 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 Q8EG82
Species	Shewanella oneidensis (strain MR-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pstB1 recombinant protein	MBS1354066 is a recombinant protein targeting pstB1. Also known as Recombinant Shewanella oneidensis 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 #	414561947
NCBI GeneID	1169508
NCBI Accession #	NP_717335.2
UniProt Primary Accession #	Q8EG82

UniProt Related Accession #	Q8EG82
GenBank Nucleotide #	NC_004347.2
NCBI Official Full Name	ABC-type high affinity phosphate uptake system ATPase component PstB
NCBI Official Symbol	pstB
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	ABC-type high affinity phosphate uptake system ATPase component PstB
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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