Phosphate Import ATP-Binding Protein Pstb (pstB) Shewanella Denitrificans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphate import ATP-binding protein PstB (pstB), Recombinant Protein
Full Product Name	Recombinant Shewanella denitrificans Phosphate import ATP-binding protein PstB (pstB)
Product Gene Name	pstB recombinant protein
Product Synonym Gene Name	pstB
Sequence	MISIDQRAMQ AKPIDLEHLS AQDTALEIRN LDLSYGDKQA LFNVSMKIPK KQVTAFIGPS GCGKSTLLRC INRMNDLVDS CKIKGEILLH GQNIYDKKVD VAALRRNVGM VFQRPNPFPK SIYENVVYGL RLQGLNNRRD LDEAAERSLR GAAIWDEVKD RLHDNAFGLS GGQQQRLVIA RAIAIEPEVL LLDEPTSALD PISTLTIEEL ITELKDKYTV VIVTHNMQQA ARVSDQTAFM YMGELVEYAD TNTIFTTPRK 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	30,630 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 Q12L15
Species	Shewanella denitrificans (strain OS217 / BAA-1090 / DSM 15013)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pstB recombinant protein	MBS1312108 is a recombinant protein targeting pstB. Also known as Recombinant Shewanella denitrificans Phosphate import ATP-binding protein PstB (pstB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pstB 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 pstB. It may not necessarily be applicable to this product.

NCBI GI #	499816278
NCBI Accession #	WP_011497012.1
UniProt Primary Accession #	Q12L15
GenBank Nucleotide #	WP_011497012.1

NCBI Official Full Name	phosphate ABC transporter ATP-binding protein
UniProt Protein Name	Phosphate import ATP-binding protein PstB
UniProt Synonym Protein Names	ABC phosphate transporter
Protein Family	Phosphate import ATP-binding protein
UniProt Gene Name	pstB
UniProt Comments for pstB	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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