Phosphate Import ATP-Binding Protein Pstb (pstB) Sphingopyxis Alaskensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphate import ATP-binding protein PstB (pstB), Recombinant Protein
Full Product Name	Recombinant Sphingopyxis alaskensis Phosphate import ATP-binding protein PstB (pstB)
Product Gene Name	pstB recombinant protein
Product Synonym Gene Name	pstB
Sequence	MTNDDLTITD PKMRAQGVNV FYGDKQAINN VSIDVGTDLV TAFIGPSGCG KSTFLRSLNR MNDTVASAKV TGKIELDGED IYAPSMDVVQ LRARVGMVFQ KPNPFPKSIY DNVGYGPRIH GLAPSKADLD VVVERALVRA GLWDEVKDRL NESGTALSGG QQQRLCIARA IAVDPEVILM DEPCSALDPI ATAKIEELIH ELRGKYAIVI VTHNMQQAAR VSQRTAFFHL GTLVEYGKTT DIFTNPKQER TKDYITGRYG
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	28,532 Da
Sequence Positions	1-260, 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 Q1GUY1
Species	Sphingopyxis alaskensis (strain DSM 13593 / LMG 18877 / RB2256) (Sphingomonas alaskensis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pstB recombinant protein	MBS1407019 is a recombinant protein targeting pstB. Also known as Recombinant Sphingopyxis alaskensis 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 #	499860397
NCBI Accession #	WP_011541131.1
UniProt Primary Accession #	Q1GUY1
GenBank Nucleotide #	WP_011541131.1

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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