Spermidine/Putrescine Import ATP-Binding Protein Pota (potA) Oceanobacillus Iheyensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Spermidine/putrescine import ATP-binding protein PotA (potA), Recombinant Protein
Full Product Name	Recombinant Oceanobacillus iheyensis Spermidine/putrescine import ATP-binding protein PotA (potA)
Product Gene Name	potA recombinant protein
Product Synonym Gene Name	potA
Sequence	MKNNQPIIQF KNVSKQFDND PLVLDHVSFT IEKGKFYTLL GPSGCGKTTI LRLIAGFTEA SSGDIIFEGK RINHIPANKR PINTVFQDYA LFPHLNVYEN VAFGLRIKKL KKSMIDEKVK EALSFVNLVG YENREIKDMS GGQRQRVAIA RAIVNEPAVI LLDEPLSALD LKLRYQMQYE LRELQQRLGI TFIFVTHDQE EALAMSDEIF VLNKGKIQQS GTPNDIYDEP INRFVADFIG ESNITKATMI EDYLVEFAGK QFTCVDMGMN ANEPVEVVIR PEDMEITSVE QGMISVTVHT QLFRGVHYEI TCLDSEGNEW LVQSTKKAIV GEQIGLRFHP EDIHVMRFNE SEADFDRRLD SYSEGETDGE
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	42,069 Da
Sequence Positions	1-370, Full length
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 Q8ELR4
Species	Oceanobacillus iheyensis (strain DSM 14371 / JCM 11309 / KCTC 3954 / HTE831)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for potA recombinant protein	MBS1340334 is a recombinant protein targeting potA. Also known as Recombinant Oceanobacillus iheyensis Spermidine/putrescine import ATP-binding protein PotA (potA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of potA 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 potA. It may not necessarily be applicable to this product.

NCBI GI #	499379980
NCBI Accession #	WP_011067551.1
UniProt Primary Accession #	Q8ELR4

GenBank Nucleotide #	WP_011067551.1
NCBI Official Full Name	spermidine/putrescine ABC transporter ATP-binding protein
UniProt Protein Name	Spermidine/putrescine import ATP-binding protein PotA
Protein Family	Spermidine/putrescine import ATP-binding protein
UniProt Gene Name	potA
UniProt Comments for potA	Part of the ABC transporter complex PotABCD involved in spermidine/putrescine 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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