Spermidine/Putrescine Import ATP-Binding Protein Pota (potA) Clostridium Acetobutylicum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Spermidine/putrescine import ATP-binding protein PotA (potA), Recombinant Protein
Full Product Name	Recombinant Clostridium acetobutylicum Spermidine/putrescine import ATP-binding protein PotA (potA)
Product Gene Name	potA recombinant protein
Product Synonym Gene Name	potA
Sequence	MEKDILIELK NVSKKYGENY VIKNLNLFVR RNEFLTFLGP SGCGKTTTLN MIAGFETPDE GNIIFEDSSI NIVPPHKRQI NTVFQKYALF SHMNVYENVA FGLRIKKLPE KQIREEVEKM LSLVDLKGFE KRSTDSLSGG QQQRVAIARA LVNKPKLLLL DEPLGALDLK LRKEMQLELK NIQQKLGITF IFVTHDQEEA LTMSDTIVVL NKGTVQQIGT PEDIYNEPKN KFVANFIGVS NILNGVMLHD YKVKFDDETF DCVDTGFNEN EDVDVVVRPE DIKIVSKENG KLFGKVISAV FRGVHYEIKV EVKNTTWIIH NTKHVRVGDS IGLDILPDDI HIMRKEKIDE EA
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	40,092 Da
Sequence Positions	1-352, 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 Q97KS6
Species	Clostridium acetobutylicum (strain 824 / DSM 792 / JCM 1419 / LMG 5710 / VKM B-1787)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for potA recombinant protein	MBS1342268 is a recombinant protein targeting potA. Also known as Recombinant Clostridium acetobutylicum 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 #	15894127
NCBI GeneID	1117023
NCBI Accession #	NP_347476.1

UniProt Primary Accession #	Q97KS6
UniProt Related Accession #	Q97KS6
GenBank Nucleotide #	NC_003030.1
NCBI Official Full Name	spermidine/putrescine ABC transporter ATP-binding protein
NCBI Official Symbol	potA
UniProt Protein Name	Spermidine/putrescine import ATP-binding protein PotA
Protein Family	Spermidine/putrescine import ATP-binding protein
UniProt Gene Name	potA
NCBI Protein Information	spermidine/putrescine ABC transporter ATP-binding protein
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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