Molybdate/Tungstate Import ATP-Binding Protein Wtpc (wtpC) Methanocaldococcus Jannaschii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Molybdate/tungstate import ATP-binding protein WtpC (wtpC), Recombinant Protein
Full Product Name	Recombinant Methanocaldococcus jannaschii Molybdate/tungstate import ATP-binding protein WtpC (wtpC)
Product Gene Name	wtpC recombinant protein
Product Synonym Gene Name	wtpC; MJ1367
Product Synonym Names	Molybdate/tungstate import ATP-binding protein WtpC; EC=3.6.3.-
Sequence	MLKVNNLSKI WKDFKLKNVS FEIDREYCVI LGPSGAGKSV LIKCIAGILK PDSGRIILNG EDITNLPPEK RNVGYVPQNY ALFPNKNVYK NIAYGLIIKK VNKLEIDRKV KEIAEFLNIS HLLNRDVKTL SGGEQQRVAL ARALILNPSI LLLDEPTSAV DIKIKESIIS ELKKIKHIPV LHITHDLAEA RTLGEKVGIF MNGELIAFGD KSILKKPKNK KVAEFLGFNI IDDKAIAPED VIIKDGNGGE VVNIIDYGKY KKVFVKYNGY IIKAFTERDL NIGDNVGLEF REQTKLT
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	33,266 Da
Sequence Positions	1-297aa; 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 Q58762
Species	Methanocaldococcus jannaschii (strain 43067 / DSM 2661 / JAL-1 / JCM 10045 / NBRC 100440) (Methanococcus jannaschii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for wtpC recombinant protein	MBS1333542 is a recombinant protein targeting wtpC. Also known as Recombinant Methanocaldococcus jannaschii Molybdate/tungstate import ATP-binding protein WtpC (wtpC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of wtpC 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 wtpC. It may not necessarily be applicable to this product.

NCBI GI #	15669557
NCBI GeneID	1452270

NCBI Accession #	NP_248370.1
UniProt Primary Accession #	Q58762
UniProt Related Accession #	Q58762
GenBank Nucleotide #	NC_000909.1
NCBI Official Full Name	sulfate transport ATP-binding protein CysA
NCBI Official Symbol	MJ_1367
UniProt Protein Name	Molybdate/tungstate import ATP-binding protein WtpC
Protein Family	Molybdate/tungstate import ATP-binding protein
UniProt Gene Name	wtpC
UniProt Entry Name	WTPC_METJA
NCBI Protein Information	sulfate transport ATP-binding protein CysA
UniProt Comments for wtpC	Part of the ABC transporter complex WtpABC involved in molybdate/tungstate 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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