ATP Synthase Subunit B (Atpf) (Arth_2609) Arthrobacter Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit b (atpF) (Arth_2609), Recombinant Protein
Full Product Name	Recombinant Arthrobacter sp. ATP synthase subunit b (atpF)
Product Gene Name	Arth_2609 recombinant protein
Product Synonym Gene Name	Recombinant ATP synthase subunit b (atpF); ATP synthase subunit b; ATP synthase F(0) sector subunit b ATPase subunit I F-type ATPase subunit b; F-ATPase subunit b
Sequence	MNQTIISAAT EGTNPLVPNP WEMGVVLAGF AVLFYIVVKF VVPMFEKTFA ERAEAIEGGI AKAEKAQAEA SAALEEYKQQ LTDARAEANR IREEARAEGA QILADLKEKA AAESARITAH AHAQIESERQ AAVVSLRAEV GTLATTLASR IVGESLSDDA RAARVVDRFL ADLENQNAGA AK
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	19,435 Da
Sequence Positions	1-182
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.
Chromosome Location	Chromosome: 1; NC_008541.1 (2926634..2927182, complement). Location: chromosome: 1
3D Structure	ModBase 3D Structure for A0JY68
Species	Arthrobacter sp. (strain FB24)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Arth_2609 recombinant protein	MBS1068147 is a recombinant protein targeting Arth_2609. Also known as Recombinant Arthrobacter sp. ATP synthase subunit b (atpF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. atpF
Other Notes	Small volumes of Arth_2609 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 Arth_2609. It may not necessarily be applicable to this product.

NCBI GI #	116671155
NCBI GeneID	4444833
NCBI Accession #	YP_832088.1
UniProt Primary Accession #	A0JY68

UniProt Related Accession #	EAL96239
GenBank Nucleotide #	NC_008541.1
NCBI Official Full Name	ATP synthase F0 subunit B
NCBI Official Symbol	Arth_2609
UniProt Protein Name	ATP synthase subunit b
UniProt Synonym Protein Names	ATP synthase F(0) sector subunit b; ATPase subunit I; F-type ATPase subunit b
UniProt Gene Name	atpF
UniProt Synonym Gene Names	F-ATPase subunit b
UniProt Entry Name	ATPF_ARTS2
NCBI Protein Information	ATP synthase F0 subunit B
UniProt Comments for Arth_2609	Function: F1F0 ATP synthase produces ATP from ADP in the presence of a proton or sodium gradient. F-type ATPases consist of two structural domains, F1 containing the extramembraneous catalytic core and F0 containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation By similarity. HAMAP-Rule MF_01398Component of the F0 channel, it forms part of the peripheral stalk, linking F1 to F0 By similarity. HAMAP-Rule MF_01398 Subunit structure: F-type ATPases have 2 components, F1 - the catalytic core - and F0 - the membrane proton channel. F1 has five subunits: alpha3, beta3, gamma1, delta1, epsilon1. F0 has three main subunits: a1, b2 and c(10-14). The alpha and beta chains form an alternating ring which encloses part of the gamma chain. F1 is attached to F0 by a central stalk formed by the gamma and epsilon chains, while a peripheral stalk is formed by the delta and b chains By similarity. Subcellular location: Cell membrane; Single-pass membrane protein By similarity HAMAP-Rule MF_01398. Sequence similarities: Belongs to the ATPase B chain family.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/atp-synthase-subunit-b-atpf/1068147