ATP Synthase Subunit B (atpF) Mycobacterium Marinum Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit b (atpF), Recombinant Protein
Full Product Name	Recombinant Mycobacterium marinum ATP synthase subunit b (atpF)
Product Gene Name	atpF recombinant protein
Sequence	MDDVNSIVLA AGQAAEEGGT NNFLVPNGTF FFVLAIFLVV LAVIGTFVVP PILKVLRERD AMVAKTLADN KKSAEQFAAA QADYEKAMAE ARVQASSYRD NARAEGRKVV EDARAHAEQE VASTLQQANE QLKRERDAVE LDLRANVGAM SATLANRIVG VDVTTPAAAG
Host	Cell Free Expression
Form/Format	Liquid containing glycerol
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, conserve at -20 degree C or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.
Molecular Weight	18,132 Da
Sequence Positions	1-170aa; full length protein
3D Structure	ModBase 3D Structure for B2HQK6
Species	Mycobacterium marinum (strain BAA-535 / M)
Product Categories/Family for atpF recombinant protein	Transmembrane Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for atpF recombinant protein	This is a recombinant transmembrane protein expressed in a cell-free expression system.
Related Product Information for atpF recombinant protein	MBS7009701 is a recombinant protein targeting atpF. Also known as Recombinant Mycobacterium marinum ATP synthase subunit b (atpF). Host: Cell Free Expression.
Other Notes	Small volumes of atpF 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 atpF. It may not necessarily be applicable to this product.

NCBI GI #	501364108
NCBI Accession #	WP_012395674.1
UniProt Primary Accession #	B2HQK6
GenBank Nucleotide #	WP_012395674.1
NCBI Official Full Name	MULTISPECIES: ATP synthase subunit B
UniProt Protein Name	ATP synthase subunit b
UniProt Synonym Protein Names	ATP synthase F(0) sector subunit b

Protein Family	ATP synthase
UniProt Gene Name	atpF
UniProt Synonym Gene Names	F-ATPase subunit b
UniProt Entry Name	ATPF_MYCMM
UniProt Comments for atpF	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.
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