ATP Synthase Subunit B (atpF) Rhodopseudomonas Palustris Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit b (atpF), Recombinant Protein
Full Product Name	Recombinant Rhodopseudomonas palustris ATP synthase subunit b (atpF), partial
Product Gene Name	atpF recombinant protein
Product Synonym Gene Name	atpF
Sequence	MGIFAEAETW VAVAFVILMA LFAYLGVHRT VLQALDNRRA RIKAELDEAR KLKDEAAKLL ADYRARRAQA EREAEAIISS AKADAERIAA ESKAKLEDFV ARRTKTAESK IALAEAQAVA DVRAAAAEAA VSAAATILSQ SVKGQVADDL LGKGIQEVRS KLN
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	17,520 Da
Sequence Positions	1-163
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 Q13CX4
Species	Rhodopseudomonas palustris (strain BisB5)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atpF recombinant protein	MBS1458381 is a recombinant protein targeting atpF. Also known as Recombinant Rhodopseudomonas palustris ATP synthase subunit b (atpF), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
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 #	499820517
NCBI Accession #	WP_011501251.1
UniProt Primary Accession #	Q13CX4
GenBank Nucleotide #	WP_011501251.1
NCBI Official Full Name	ATP synthase subunit b 1
UniProt Protein Name	ATP synthase subunit b 1

UniProt Synonym Protein Names	ATP synthase F(0) sector subunit b 1
Protein Family	ATP synthase
UniProt Gene Name	atpF1
UniProt Synonym Gene Names	F-ATPase subunit b 1
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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