ATP Synthase Subunit Delta (atpH) Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit delta (atpH), Recombinant Protein
Full Product Name	Recombinant Clavibacter michiganensis subsp. michiganensis ATP synthase subunit delta (atpH)
Product Gene Name	atpH recombinant protein
Sequence	MGSASRASLD SARRVLAELG GVDLSTAGQL LGAGRAIGGS THLLSALADT GIAPEVKHSI VDRVFGATVQ EPALRVLRAV VDGRWSSHDE LLAGIEELGI RAVAISAPEG TPVESELFTF GRAVSTDDGL ELAFGDKLGD PEAKSTLVHR LLDGRASEQT VVIVEQLVQQ PRGRRIGELV RHAATLVADQ AGLTIATVSV ASPLSPEQSE RLAQALSRRY SRRIELNQVV DRDLVGGLRV QIGDDVIDGS VATRINDLRL QFA
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	27,817 Da
Sequence Positions	1-263, 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 A5CQ57
Species	Clavibacter michiganensis subsp. michiganensis (strain NCPPB 382)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atpH recombinant protein	MBS1256473 is a recombinant protein targeting atpH. Also known as Recombinant Clavibacter michiganensis subsp. michiganensis ATP synthase subunit delta (atpH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of atpH 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 atpH. It may not necessarily be applicable to this product.

NCBI GI #	500978231
NCBI Accession #	WP_012037852.1
UniProt Primary Accession #	A5CQ57
GenBank Nucleotide #	WP_012037852.1
NCBI Official Full Name	ATP synthase subunit delta
UniProt Protein Name	ATP synthase subunit delta

UniProt Synonym Protein Names	ATP synthase F(1) sector subunit delta
Protein Family	ATP synthase
UniProt Gene Name	atpH
UniProt Synonym Gene Names	F-ATPase subunit delta
UniProt Comments for atpH	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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