ATP Synthase Subunit Delta, Mitochondrial (atp16) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit delta, mitochondrial (atp16), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe ATP synthase subunit delta, mitochondrial (atp16)
Product Gene Name	atp16 recombinant protein
Product Synonym Gene Name	atp16
Sequence	AQAVQKNEKL VLSMALPYQT IYEKVPVTQV DIPAEDGEMG ILKDHVPMIQ CLKPGVISVT DESSNKSKYF ISGGFAVQQP SNELSITVPE AYKLEDFSSS VANQLLEKHK AEMNSSDEGV AAEAAVRVSV LESLVRALK
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	18,410 Da
Sequence Positions	29-167, Full length
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 Q9P6R6
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atp16 recombinant protein	MBS1458702 is a recombinant protein targeting atp16. Also known as Recombinant Schizosaccharomyces pombe ATP synthase subunit delta, mitochondrial (atp16). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of atp16 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 atp16. It may not necessarily be applicable to this product.

NCBI GI #	429240766
NCBI GeneID	2540185
NCBI Accession #	NP_596259.2
UniProt Primary Accession #	Q9P6R6
GenBank Nucleotide #	NM_001022179.2
NCBI Official Full Name	F1-ATPase delta subunit (predicted)

NCBI Official Symbol	atp16
UniProt Protein Name	ATP synthase subunit delta, mitochondrial
UniProt Synonym Protein Names	F-ATPase delta subunit
UniProt Gene Name	atp16
NCBI Protein Information	F1-ATPase delta subunit (predicted)
UniProt Comments for atp16	Mitochondrial membrane ATP synthase (F1F0 ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. 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 turnover in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F1 domain and of the central stalk which is part of the complex rotary element. Rotation of the central stalk against the surrounding alpha3beta3 subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits ().
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