ATP Synthase Subunit 4, Mitochondrial (ATP4) Ashbya Gossypii Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit 4, mitochondrial (ATP4), Recombinant Protein
Full Product Name	Recombinant Ashbya gossypii ATP synthase subunit 4, mitochondrial (ATP4)
Product Gene Name	ATP4 recombinant protein
Product Synonym Gene Name	ATP4; AEL251C
Product Synonym Names	ATP synthase subunit 4, mitochondrial
Sequence	M STPAPQDPKS KAAAILDSLP GSTALSKTGI LATSAAAAIY AISNELYVLN AETILLCTFT GFSFLIAKLV APAYKEYADK RMQHVSGILN SSRNKHVAAV KERIESVSEL KNVTETTKVL FEVSKETLEL EAKAFELKQK VDLATEAKAV LDSWVRYEAS VRQLQQKQIA ESVIGKVQAE LANPKFQDKV LQQSVADVEK LFASLK
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	25,617 Da
Sequence Positions	30-236aa; Cytoplasmic domain
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 Q758L2
Species	Ashbya gossypii (strain 10895 / CBS 109.51 / FGSC 9923 / NRRL Y-1056) (Yeast) (Eremothecium gossypii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ATP4 recombinant protein	MBS1320780 is a recombinant protein targeting ATP4. Also known as Recombinant Ashbya gossypii ATP synthase subunit 4, mitochondrial (ATP4). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ATP4 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 ATP4. It may not necessarily be applicable to this product.

NCBI GI #	302307846
NCBI GeneID	4620792
NCBI Accession #	NP_984610.2
UniProt Primary Accession #	Q758L2
UniProt Related Accession #	Q758L2

GenBank Nucleotide #	NM_209963.2
NCBI Official Full Name	AEL251Cp
NCBI Official Symbol	AGOS_AEL251C
UniProt Protein Name	ATP synthase subunit 4, mitochondrial
Protein Family	ATP synthase
UniProt Gene Name	ATP4
UniProt Synonym Gene Names	AEL251C
UniProt Entry Name	ATPF_ASHGO
NCBI Protein Information	AEL251Cp
UniProt Comments for ATP4	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 synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F0 domain and the peripheric stalk, which acts as a stator to hold the catalytic alpha3beta3 subcomplex and subunit a/ATP6 static relative to the rotary elements ().
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