ATP Synthase Subunit Delta', Mitochondrial (ATP) Ipomoea Batatas Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit delta', mitochondrial, Recombinant Protein
Full Product Name	Recombinant Ipomoea batatas ATP synthase subunit delta', mitochondrial
Sequence	STDLPAETAA DSTFVEAWKK LIPNVDPPKT PSAYMAPRPA TPSSIPSKLT VNFVLPYSSE LAGKEVDMVI IPATTGQMGV LPGHVATIAE LKPGVMSVHE GNDVSKYFVS GGFAFIHANS FADIIAVEAV PLDRIDANLV QKGLAEFTQK LNTASTDVEK AEAQIGVDVH SALNAALTG
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	21,318 Da
Sequence Positions	22-200, 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 Q40089
Species	Ipomoea batatas (Sweet potato) (Convolvulus batatas)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ATP synthase subunit delta', mitochondrial recombinant protein	MBS1324398 is a recombinant protein targeting ATP synthase subunit delta', mitochondrial. Also known as Recombinant Ipomoea batatas ATP synthase subunit delta', mitochondrial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ATP synthase subunit delta', mitochondrial 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 ATP synthase subunit delta', mitochondrial. It may not necessarily be applicable to this product.

NCBI GI #	2493046
NCBI Accession #	Q40089.1
UniProt Primary Accession #	Q40089
NCBI Official Full Name	ATP synthase subunit delta', mitochondrial
UniProt Protein Name	ATP synthase subunit delta', mitochondrial
UniProt Synonym Protein Names	F-ATPase delta' subunit
Protein Family	ATP synthase

UniProt Comments for ATP synthase subunit delta', mitochondrial	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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