ATP Synthase Subunit Alpha, Chloroplastic (atpA) Dioscorea Elephantipes Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit alpha, chloroplastic (atpA), Recombinant Protein
Full Product Name	Recombinant Dioscorea elephantipes ATP synthase subunit alpha, chloroplastic (atpA), partial
Product Gene Name	atpA recombinant protein
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	55,095 Da
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 A6MMJ2
Species	Dioscorea elephantipes (Elephant's foot)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atpA recombinant protein	MBS1162535 is a recombinant protein targeting atpA. Also known as Recombinant Dioscorea elephantipes ATP synthase subunit alpha, chloroplastic (atpA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of atpA 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 atpA. It may not necessarily be applicable to this product.

NCBI GI #	149390339
NCBI GeneID	5236601
NCBI Accession #	YP_001294337.1
UniProt Primary Accession #	A6MMJ2
UniProt Related Accession #	A6MMJ2
GenBank Nucleotide #	NC_009601.1
NCBI Official Full Name	ATP synthase CF1 alpha subunit (chloroplast)
NCBI Official Symbol	atpA
UniProt Protein Name	ATP synthase subunit alpha, chloroplastic

UniProt Synonym Protein Names	ATP synthase F1 sector subunit alpha
Protein Family	ATP synthase
UniProt Gene Name	atpA
NCBI Protein Information	ATP synthase CF1 alpha subunit
UniProt Comments for atpA	Produces ATP from ADP in the presence of a proton gradient across the membrane. The alpha chain is a regulatory subunit.
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