ATP Synthase Protein 8 (Mt:atpase8) (mt:ATPase8) Apis Mellifera Ligustica Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase protein 8 (mt:ATPase8), Recombinant Protein
Full Product Name	Recombinant Apis mellifera ligustica ATP synthase protein 8 (mt:ATPase8), partial
Product Gene Name	mt:ATPase8 recombinant protein
Sequence	MPQMMPMKWF LIYFIYLLIF YLFIMLINSM LIKTKINKET LKIKLKKWNW FW
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	6,694 Da
Sequence Positions	1-52
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 Q00276
Species	Apis mellifera ligustica (Common honeybee) (Italian honeybee)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mt:ATPase8 recombinant protein	MBS1021256 is a recombinant protein targeting mt:ATPase8. Also known as Recombinant Apis mellifera ligustica ATP synthase protein 8 (mt:ATPase8), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mt:ATPase8 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 mt:ATPase8. It may not necessarily be applicable to this product.

NCBI GI #	5834929
NCBI GeneID	807699
NCBI Accession #	NP_008085.1
UniProt Primary Accession #	Q00276
UniProt Related Accession #	Q00276
GenBank Nucleotide #	NC_001566.1
NCBI Official Full Name	ATP synthase F0 subunit 8 (mitochondrion)

NCBI Official Symbol	ATP8
UniProt Protein Name	ATP synthase protein 8
UniProt Synonym Protein Names	A6L; F-ATPase subunit 8
UniProt Gene Name	mt:ATPase8
UniProt Synonym Gene Names	ATP8; ATPASE8; MT-ATP8; MTATP8
NCBI Protein Information	ATP synthase F0 subunit 8
UniProt Comments for mt:ATPase8	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. Minor subunit located with subunit a in the membrane ().
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