ATP Synthase Protein 8 (MT-ATP8) Gorilla Gorilla Gorilla Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase protein 8 (MT-ATP8), Recombinant Protein
Full Product Name	Recombinant Gorilla gorilla gorilla ATP synthase protein 8 (MT-ATP8), partial
Product Gene Name	MT-ATP8 recombinant protein
Product Synonym Gene Name	MT-ATP8
Sequence	MPQLNTTVWP TMIAPMLLTL FLITQLKVLN TNYHLPPLPK TMKMKNFCKP WEPKWTKIYS LHSLPPQS
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	7,993 Da
Sequence Positions	1-68
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 Q34571
Species	Gorilla gorilla gorilla (Lowland gorilla)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MT-ATP8 recombinant protein	MBS1339365 is a recombinant protein targeting MT-ATP8. Also known as Recombinant Gorilla gorilla gorilla ATP synthase protein 8 (MT-ATP8), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MT-ATP8 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-ATP8. It may not necessarily be applicable to this product.

NCBI GI #	5835151
NCBI GeneID	807890
NCBI Accession #	NP_008216.1
UniProt Primary Accession #	Q34571
GenBank Nucleotide #	NC_001645.1
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-ATP8
UniProt Synonym Gene Names	ATP8; ATPASE8; MTATP8
NCBI Protein Information	ATP synthase F0 subunit 8
UniProt Comments for MT-ATP8	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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