ATP Synthase Gamma Chain (atpG) Mycobacterium Leprae Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase gamma chain (atpG), Recombinant Protein
Full Product Name	Recombinant Mycobacterium leprae ATP synthase gamma chain (atpG)
Product Gene Name	atpG recombinant protein
Sequence	MAATLRELRG RIRSVGSIKK ITKAQELIAT SRIARAQVRL ESARPYAVDI TRMLTTLAYE AVLDHPLLVA SATPKRAGVL VVSSDRGLCG AYNANVFRRS EELFSLLRAE GKTPILYVVG RKALNYYTFR NWGIAESWTG FSEQPKYENA AKIASTLVDV FMLGSSESDA GVDELHIVFT EFKSMLSQST KARRMAPMVV EYVEESKLPR TLYSFEPDAT TLFEALLPRY LTIRVYAAML ESAASELASR QRAMKSATDN ADDLIKALTL EANRERQAQI TQEISEIVGG ANALANAR
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	32,996 Da
Sequence Positions	1-298, 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 B8ZR41
Species	Mycobacterium leprae (strain Br4923)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atpG recombinant protein	MBS1228497 is a recombinant protein targeting atpG. Also known as Recombinant Mycobacterium leprae ATP synthase gamma chain (atpG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of atpG 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 atpG. It may not necessarily be applicable to this product.

NCBI GI #	499210622
NCBI GeneID	910238
NCBI Accession #	WP_010908162.1
UniProt Primary Accession #	B8ZR41
UniProt Related Accession #	P45824; CAC31525
GenBank Nucleotide #	WP_010908162.1

NCBI Official Full Name	ATP synthase subunit gamma
NCBI Official Symbol	atpG
UniProt Protein Name	ATP synthase gamma chain
UniProt Synonym Protein Names	ATP synthase F1 sector gamma subunit
Protein Family	ATP synthase
UniProt Gene Name	atpG
NCBI Protein Information	ATP synthase F0F1 subunit gamma
UniProt Comments for atpG	Produces ATP from ADP in the presence of a proton gradient across the membrane. The gamma chain is believed to be important in regulating ATPase activity and the flow of protons through the CF0 complex.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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