ATP Synthase Gamma Chain (atpG) Lactobacillus Brevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase gamma chain (atpG), Recombinant Protein
Full Product Name	Recombinant Lactobacillus brevis ATP synthase gamma chain (atpG)
Product Gene Name	atpG recombinant protein
Sequence	MAESIHDVQR RINSTKATRQ ITSAMHMVST AKLNKIQKQA VGYQDYVSKV KAVVMHLSQS HLLDNSSSSL QSNRPVKKTA YLVITSDRGM VGSYNSSVLR DTNAFIKERT PNPDDYMVLA VGGTGADFYK HRGVNVAYEY RGVSDVPEFN EVREIVKTVT TMFNNEVFDE LFVCYNHFVN RISSRFRAEK MLPVDKETMS TDAAKDTQAA PLTAEYDTEP SEEEVLQVVL PQYAESLVYG AILDAKTAEH ASSTNAMQSA TDNADDLIAT LQLHYNRARQ AAITTEITEI TGGQEALNN
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	33,234 Da
Sequence Positions	1-299, 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 Q03QY7
Species	Lactobacillus brevis (strain 367 / JCM 1170)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atpG recombinant protein	MBS1127694 is a recombinant protein targeting atpG. Also known as Recombinant Lactobacillus brevis 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 #	499987431
NCBI GeneID	4414104
NCBI Accession #	WP_011668149.1
UniProt Primary Accession #	Q03QY7
UniProt Related Accession #	Q03QY7
GenBank Nucleotide #	WP_011668149.1

NCBI Official Full Name	ATP synthase subunit gamma
NCBI Official Symbol	LVIS_RS17775
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 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.
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