# ATP Synthase Gamma Chain (atpG) Desulfovibrio Vulgaris Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | ATP synthase gamma chain (atpG), Recombinant Protein |
| **Full Product Name** | Recombinant Desulfovibrio vulgaris ATP synthase gamma chain (atpG) |
| **Product Gene Name** | atpG recombinant protein |
| **Product Synonym Gene Name** | atpG |
| **Sequence** | MPSLKDVKVK IAGVKKTKQI TKAMNMVASA KLRGAQQRIE RFRPYAEKFY GMLGDLASKA DGSAHPLLEV RDEIKTCGIV LATSDRGLCG SFNANLISTA LKLAKQKAAE GKTVKFYCVG KKGRDTIRKA DFEVVTAIAD QMGSFDFQLA NKLGLEVINH YLTGELDEVV LVYGEFVSTA KQLPITLPIL PIASEKKDEA EAAPSKEYIY EPAVEGLLAE LLPRFIKVQI YRGLLDTSAS EHAARMAAMD NATRSCDDMI GALTLLFNKT RQASITRDLM DIVGGAEALK G |
| **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** | 31,693 Da |
| **Sequence Positions** | 1-291, 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 Q72E03 |
| **Species** | Desulfovibrio vulgaris (strain Hildenborough / 29579 / NCIMB 8303) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for atpG recombinant protein** | MBS1328634 is a recombinant protein targeting atpG. Also known as Recombinant Desulfovibrio vulgaris 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.

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| **NCBI GI #** | 499240537 |
| **NCBI GeneID** | 2794847 |
| **NCBI Accession #** | WP_010938077.1 |
| **UniProt Primary Accession #** | Q72E03 |
| **UniProt Related Accession #** | Q72E03 |

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| **GenBank Nucleotide #** | WP_010938077.1 |
| **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** | F0F1 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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