# ATP Synthase Subunit Beta (atpD) Clostridium Perfringens Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | ATP synthase subunit beta (atpD), Recombinant Protein |
| **Full Product Name** | Recombinant Clostridium perfringens ATP synthase subunit beta (atpD) |
| **Product Gene Name** | atpD recombinant protein |
| **Product Synonym Gene Name** | atpD |
| **Sequence** | MSNNIGKVVQ VIGPVVDIKF ANDELPNIFN AIHIKMDDGK ILVCEVEQHV GDDIVRTIAM EATEGLRRGV EAVDTGAPIS VPVGECVLGR IFNVLGKPLD SGAEVNNEEK YPIHRPAPSF EEQSVVPQMF ETGIKVIDLL APYQRGGKIG LFGGAGVGKT VLIQELINNI AKEHGGLSVF TGVGERSREG NDLYYEMMES GVIKNTALVF GQMNEPPGAR MRVALTGLTM AEYFRDQGQD VLLFIDNIFR FSQAGSEVSA LLGRIPSAVG YQPTLATEMG ALQERITSTT HGSITSVQAV YVPADDLTDP APATTFNHLD AKTVLSRSIA EIGIYPAVDP LDSSSRILDP RVVGEEHYEV ASKVKHILER YKELQDIIAI LGVDELADED KLIVARARRI QKFLSQPFTV AEQFTGMQGR YVPIKETIRG FKEILEGKHD NVPESAFLFV GTIEEVLEKA RTMAQ |
| **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** | 50,819 Da |
| **Sequence Positions** | 1-465, 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 Q0SQZ5 |
| **Species** | Clostridium perfringens (strain SM101 / Type A) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for atpD recombinant protein** | MBS1415736 is a recombinant protein targeting atpD. Also known as Recombinant Clostridium perfringens ATP synthase subunit beta (atpD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of atpD 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 atpD. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 122956535 |
| **NCBI Accession #** | Q0SQZ5.1 |
| **UniProt Primary Accession #** | Q0SQZ5 |
| **NCBI Official Full Name** | ATP synthase subunit beta |

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| **UniProt Protein Name** | ATP synthase subunit beta |
| **UniProt Synonym Protein Names** | ATP synthase F1 sector subunit beta |
| **Protein Family** | ATP synthase |
| **UniProt Gene Name** | atpD |
| **UniProt Comments for atpD** | Produces ATP from ADP in the presence of a proton gradient across the membrane. The catalytic sites are hosted primarily by the beta subunits. |
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