# ATP Synthase Subunit Delta (atpH) Acidithiobacillus Ferrooxidans Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | ATP synthase subunit delta (atpH), Recombinant Protein |
| **Full Product Name** | Recombinant Acidithiobacillus ferrooxidans ATP synthase subunit delta (atpH) |
| **Product Gene Name** | atpH recombinant protein |
| **Sequence** | MADLITVARP YAEALYGLAK ESGQEQAWAD ALQALAAMIA DVQAQAFLTD PERADAEKVS LLSAVPVAVD VKAWKAFLAL LIHNDRWPAT AEIGTLFADA MRRAEGVVDV LVTSAIALDA GQKTAVQSAL ERRFAGHKVA FREAVDAALI GGLVIHTGDL TIDASVRGQV QQLARTLRS |
| **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** | 19,018 Da |
| **Sequence Positions** | 1-179, 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 B5ER45 |
| **Species** | Acidithiobacillus ferrooxidans (strain 53993) (Leptospirillum ferrooxidans ( 53993)) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for atpH recombinant protein** | MBS1257135 is a recombinant protein targeting atpH. Also known as Recombinant Acidithiobacillus ferrooxidans ATP synthase subunit delta (atpH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of atpH 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 atpH. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 497246895 |
| **NCBI Accession #** | WP_009561112.1 |
| **UniProt Primary Accession #** | B5ER45 |
| **GenBank Nucleotide #** | WP_009561112.1 |
| **NCBI Official Full Name** | MULTISPECIES: ATP synthase subunit delta |
| **UniProt Protein Name** | ATP synthase subunit delta |
| **UniProt Synonym Protein Names** | ATP synthase F(1) sector subunit delta |

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|---|---|
| **Protein Family** | ATP synthase |
| **UniProt Gene Name** | atpH |
| **UniProt Synonym Gene Names** | F-ATPase subunit delta |
| **UniProt Comments for atpH** | F1F0 ATP synthase produces ATP from ADP in the presence of a proton or sodium gradient. 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. |
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