# Energy-Coupling Factor Transporter ATP-Binding Protein Ecfa 2 (ecfA2) Mycoplasma Hyopneumoniae Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Energy-coupling factor transporter ATP-binding protein EcfA 2 (ecfA2), Recombinant Protein |
| **Full Product Name** | Recombinant Mycoplasma hyopneumoniae Energy-coupling factor transporter ATP-binding protein EcfA 2 (ecfA2) |
| **Product Gene Name** | ecfA2 recombinant protein |
| **Product Synonym Gene Name** | ecfA2 |
| **Sequence** | MIKVSDVCFS YTNNMDQLVL KNINVVFEKG KYYAILGHNG SGKSTFSKIL SGIFKPQKGS IEVDGVLLNK ENLTKIRKKI GIIFQNPDNQ FVGATVEDDI AFSLENINED PKKMSQIIAN LAAKVQMESY LDREPQFLSG GQKQRVAIAS VLALNPEIII FDEITSMLDP RGKYDVVKIL DDLRKDKTKT LISITHNMNE AILADEIIVF ANGGIIAQGD PKLILNDKNI IEKAKIDSPF IYKISSALKL VSPTYDENEL LEQLWKLKQK TS |
| **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** | 30,438 Da |
| **Sequence Positions** | 1-272, 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 Q601T5 |
| **Species** | Mycoplasma hyopneumoniae (strain 232) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for ecfA2 recombinant protein** | MBS1464401 is a recombinant protein targeting ecfA2. Also known as Recombinant Mycoplasma hyopneumoniae Energy-coupling factor transporter ATP-binding protein EcfA 2 (ecfA2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of ecfA2 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 ecfA2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499519314 |
| **NCBI Accession #** | WP_011205954.1 |
| **UniProt Primary Accession #** | Q601T5 |
| **GenBank Nucleotide #** | WP_011205954.1 |

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| **NCBI Official Full Name** | energy-coupling factor transporter ATPase |
| **UniProt Protein Name** | Energy-coupling factor transporter ATP-binding protein EcfA1 |
| **Protein Family** | Energy-coupling factor transporter ATP-binding protein |
| **UniProt Gene Name** | ecfA1 |
| **UniProt Synonym Gene Names** | ECF transporter A component EcfA1 |
| **UniProt Comments for ecfA2** | ATP-binding (A) component of a common energy-coupling factor (ECF) ABC-transporter complex. Unlike classic ABC transporters this ECF transporter provides the energy necessary to transport a number of different substrates. |
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