# Probable Molybdenum Cofactor Biosynthesis Protein A (moaA) Sulfolobus Solfataricus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Probable molybdenum cofactor biosynthesis protein A (moaA), Recombinant Protein |
| **Full Product Name** | Recombinant Sulfolobus solfataricus Probable molybdenum cofactor biosynthesis protein A (moaA) |
| **Product Gene Name** | moaA recombinant protein |
| **Product Synonym Gene Name** | moaA |
| **Sequence** | MIDRFGRPLE DLRITLTHAC NFECFFCHME GEEGDNYLLS KEDILLVAKV ARKFGINSVK LTGGEPTLRR DLVEIVRGLK QLGYEDVSMT TNGFLLKDLA HKLKLAGLDR INISLHAVSR DTFKKITGVD AFDRVIEGIK SAIDVGLVPV KLNFVVNRRN REEAFKFIEL SQNLGVNEIH LIELHPVGLG KLAFKEHDDL REIEEYIEKI SIKKLIRKKH FRPRYVLPSG LIVEVVKPYA NPIFCAGCNR IRLSVDGKLK TCLYREDNVI DVLDILKGEY SEDVKEELLG RAFMIAIAIR EPNFKYKI |
| **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** | 35,196 Da |
| **Sequence Positions** | 1-308, 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 Q980F0 |
| **Species** | Sulfolobus solfataricus (strain 35092 / DSM 1617 / JCM 11322 / P2) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for moaA recombinant protein** | MBS1438739 is a recombinant protein targeting moaA. Also known as Recombinant Sulfolobus solfataricus Probable molybdenum cofactor biosynthesis protein A (moaA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of moaA 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 moaA. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 497676478 |
| **NCBI Accession #** | WP_009990662.1 |
| **UniProt Primary Accession #** | Q980F0 |

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| **GenBank Nucleotide #** | WP_009990662.1 |
| **NCBI Official Full Name** | GTP 3',8-cyclase MoaA |
| **UniProt Protein Name** | Probable GTP 3',8-cyclase |
| **UniProt Synonym Protein Names** | Molybdenum cofactor biosynthesis protein A |
| **Protein Family** | Cyclic pyranopterin monophosphate synthase |
| **UniProt Gene Name** | moaA |
| **UniProt Comments for moaA** | Catalyzes the cyclization of GTP to (8S)-3',8-cyclo-7,8-dihydroguanosine 5'-triphosphate. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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