# Cytochrome C Biogenesis ATP-Binding Export Protein Ccma (ccmA) Alcanivorax Borkumensis Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Cytochrome c biogenesis ATP-binding export protein CcmA (ccmA), Recombinant Protein |
| **Full Product Name** | Recombinant Alcanivorax borkumensis Cytochrome c biogenesis ATP-binding export protein CcmA (ccmA) |
| **Product Gene Name** | ccmA recombinant protein |
| **Product Synonym Gene Name** | ccmA |
| **Sequence** | MSQPATHSDA EPATRLVLEQ LSCERDDRLL FSGLSFTASA GEIWQITGAN GAGKTTLLRI LVGLHGFYEG ERQWWQPQWQ QQLLYLGHEP GVREELNPLE NLRYACALSQ QGGDPMAALA AVGLQGFEEV PAAHLSAGQK RRIALARLWL DRKAVWVLDE PYTAIDQDGV AALDQQIQQA AEAGTLVIYT SHHQVGDGVR RLHLAHGQAE VTEGGRV |
| **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** | 23,794 Da |
| **Sequence Positions** | 1-217, 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 Q0VR80 |
| **Species** | Alcanivorax borkumensis (strain SK2 / 700651 / DSM 11573) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for ccmA recombinant protein** | MBS1279670 is a recombinant protein targeting ccmA. Also known as Recombinant Alcanivorax borkumensis Cytochrome c biogenesis ATP-binding export protein CcmA (ccmA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of ccmA 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 ccmA. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 122056165 |
| **NCBI Accession #** | Q0VR80.1 |
| **UniProt Primary Accession #** | Q0VR80 |
| **NCBI Official Full Name** | Cytochrome c biogenesis ATP-binding export protein CcmA |

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| **UniProt Protein Name** | Cytochrome c biogenesis ATP-binding export protein CcmA |
| **UniProt Synonym Protein Names** | Heme exporter protein A |
| **Protein Family** | Cytochrome c biogenesis ATP-binding export protein |
| **UniProt Gene Name** | ccmA |
| **UniProt Comments for ccmA** | Part of the ABC transporter complex CcmAB involved in the biogenesis of c-type cytochromes; once thought to export heme, this seems not to be the case, but its exact role is uncertain. Responsible for energy coupling to the transport system. |
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