Cytochrome C Biogenesis ATP-Binding Export Protein Ccma (ccmA) Shewanella Denitrificans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cytochrome c biogenesis ATP-binding export protein CcmA (ccmA), Recombinant Protein
Full Product Name	Recombinant Shewanella denitrificans Cytochrome c biogenesis ATP-binding export protein CcmA (ccmA)
Product Gene Name	ccmA recombinant protein
Product Synonym Gene Name	ccmA
Sequence	MNIIHQVNEA KVTSNKPLPA LLSASLLTCI REERILFDRL SFDINPGDIV QIEGPNGAGK TSLIRILAGL SRPYSGHVSY CGETILACRE EFNADLLYLG HLPGVKSELS AAENVDFNLT LSGYQDFDTQ AALAHMSLAG FEDALAGHLS AGQHRKTALA RLLHTQCKIW ILDEPFTAID KKGVEQLERL FLAHVDNGGC VILTTHQDMS LIKAEQLRTL TLDYRSL
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	24,953 Da
Sequence Positions	1-227, 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 Q12I82
Species	Shewanella denitrificans (strain OS217 / BAA-1090 / DSM 15013)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ccmA recombinant protein	MBS1403468 is a recombinant protein targeting ccmA. Also known as Recombinant Shewanella denitrificans 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.

NCBI GI #	122063285
NCBI Accession #	Q12I82.1
UniProt Primary Accession #	Q12I82
NCBI Official Full Name	Cytochrome c biogenesis ATP-binding export protein CcmA

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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