

# Recombinant Full Length Dictyostelium Discoideum Calcium-Binding Mitochondrial Carrier Protein(Mcfo) Protein, His-Tagged

**Cat. No.** RFL11422DF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Product Overview</b> | Recombinant Full Length Dictyostelium discoideum Calcium-binding mitochondrial carrier protein(mcfO) Protein (Q54RB9) (1-772aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Dictyostelium Discoideum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Full Length (1-772)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | <p>MFANRVRQAQKLYQKRFFSLGNNSTISKQQQFNSSNNNNNNKNGGNKNGFYQKAFI<br/> ATTVA LTTTLLTATTLDDNTNSEKEILKSQRQTFEKYASTTLEGERQMTAEDFLSAL<br/> TTLES DK QSGEHEILKASLDADKFKVLFQMADV DHTGYISFDEYVMFDELMAPAE<br/> YFLAFKLFDR DGNGYISKNDFKHVITASLDPSIPFNFDCELVNLYFGDGRTELNYSQF<br/> TQLLKDLQQERI KQEFKFHDKYNSGYIPRDKFAKVLG SVKLRKIPDHVRDKLESISEL<br/> NLLSGHPNEVSYSQ FVAANDMLLHIPS YGRVLKAAILKNKKDNINKEEFLTEARSSTS<br/> IEITPLEIDLIFHLFD LNKDGKLSISDFEKSTGLNINKIGGGTNYSDSYPSDSHV TIQNS<br/> STTPSPSTPITNTAAA IALNKKH GKTF AQQVLES IENFALGSIAGGIGAAVYPIDLVK<br/> TRMQNQRAVDPAKRLYV NSWDCFKKVVKFEGVRGLYKGILPQMVGVAP EKAIKLT<br/> VNDLLRDLFGDKSKGEIYFPLE VLAGGFAGMSQVCVTNPLEIVKIRLQVQSTGPKVS</p> |

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AITIIKELGLAGLYKGAGACLLRDI PFSAIYFPTYAKMKTILANEDGKLGPMDLLLAGAV  
 AGIPAASLVTPADVIKTRLQVKANA GEQTYTGIRDCFQKILKEEGPRALFKGALARVF  
 RSSPQFGVTLVSYELLQKALLPDAEYK PPTNAPITQKDFDVIRGNTNTVQRVIDMES  
 KFGTLHQTRDNNKSSNGGENKN

**Purity** Greater than 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name** mcfO

**Synonyms** mcfO; DDB\_G0283329; Calcium-binding mitochondrial carrier protein; Mitochondrial substrate carrier family protein O

**UniProt ID** [Q54RB9](#)

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