

# Recombinant Full Length Escherichia Coli Probable Phosphatidylethanolamine Transferase Mcr-1(Mcr1) Protein, His-Tagged

**Cat. No.** RFL15730EF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Escherichia coli Probable phosphatidylethanolamine transferase Mcr-1(mcr1) Protein (A0A0R6L508) (1-541aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Full Length (1-541aa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MMQHTSVWYRRSVSPFVLVASVAVFLTATANLTFFDKISQTYPIADNLGFLVLTIAVVL<br>FGAMLLITLLSSYRYVLKPVLLILLIMGAVTSYFTDTYGTVDYDTTMLQNALQTDQAET<br>KDLLNAAFIMRIIGLGVLPSSLVAFVKVDYPTWGKGLMRRLGLIVASLALILLPVVAFSS<br>HYASFFRVHKPLRSYVNPIMPIYSVGKLASIEYKKASAPKDTIYHAKDAVQATKPDMR<br>KPRLVVFVVGGETARADHVSFNGYERDTFPQLAKIDGVTNFSNVTSCGTSTAYSVPC<br>MFSYLGADHEYDVTAKYQENVLDTLDRLGVSILWRDNNSDSKGVMDKLPKAQFADY<br>KSATNNAICNTNPYNECRDVGMLVGLDDFVAANNGKDMLIMLHQMGNHGPAYFKR<br>YDEKFAKFTPVCEGNELAKCEHQSLINAYDNALLATDDFIAQSIQWLQTHSNAYDVS<br>MLYVSDHGESLGENGYYLHGMPNAFAPKEQRSVPAFFWTDKQTGITPMATDVTLT<br>HDAITPTLLKLFDVTADKVKDRTA FIR Note: The complete sequence including tag se |

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|                       |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | quence, target protein sequence and linker sequence could be provided upon request.                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>         | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Notes</b>          | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                             |
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution</b> | 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

|                   |                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>  | mcr1                                                                                                              |
| <b>Synonyms</b>   | mcr1; mcr-1; APZ14_31440; Probable phosphatidylethanolamine transferase Mcr-1; Polymyxin resistance protein MCR-1 |
| <b>UniProt ID</b> | <a href="#">A0A0R6L508</a>                                                                                        |

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