

# Recombinant Full Length Cardiolipin Synthase(Cls) Protein, His-Tagged

**Cat. No.** RFL4371WF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Cardiolipin synthase(cls) Protein (Q8D2I8) (1-495aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Wigglesworthia glossinidia brevipalpis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Full Length (1-495)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MLINFFSSIEVL FVIKWILL LGYW LITEVTIRILFKRRTVPSAMAWLLIIYVVPFIGA IY<br>LLLGELNLEKKRIKRSKIIWISALKKIKKLK NYKEIFTTKNSHIARSLFRLCKHRQG IGG<br>VKSEKINILNDPDNVMQSVINDINLAKISIE MIFYIWHPGGWNTNYVVEVLKAANRG VK<br>CRLILDSAGSKNFLKSIQVKIMRKSGIKIVEALNLNLQIFLRRMDLRQHRKMILIDN YIG<br>YTGSMNMIDPKFFKKNRKIGEWIDIMIRMEGPVASAMRIIFSCDWEIETGENIFYAP Y<br>DTKKCNIIKKDNNYKTQVIPSGPGVSEGVH QVLLTAIYSAKKILIMTTPYLVP SDDIL H<br>AICTASQRGVSVYIIIPKFIDSILVKWASRSFFSELLHAGVLIYQFEGGLLHTKSILVD D<br>QLSLVGTVNLDMRSLWLNFEITLMVDNRNFGKKLKKIQTNYMSLSKVLHLKEWSKRP<br>YW KRIIERFFYFFSPLL |
| <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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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|                       |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | for up to one week.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple 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>  | clsA                                                      |
| <b>Synonyms</b>   | clsA; cls; WIGBR3660; Cardiolipin synthase A; CL synthase |
| <b>UniProt ID</b> | <a href="#">Q8D2I8</a>                                    |

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