

# Recombinant Full Length Human Cardiolipin Synthase(Crls1) Protein, His-Tagged

**Cat. No.** RFL16268HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human Cardiolipin synthase(CRLS1) Protein (Q9UJA2) (1-301aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Full Length (1-301)                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MLALRVARGSWGALRGAAWAPGTRPSKRRACWALLPPVPCCLGCLAERWRLRPA<br>ALGLRL PGIGQRNHCSGAGKAAPRPAAGAGAAAEAPGGQWGPASTPSLYENPWTI<br>PNMLSMTRIGL APVLGYLIEEDFNIALGVFALAGLTDLLDGFARNWANQRSALGSA<br>LDPLADKILISIL YVSLTYADLIPVPLTYMIISRDVMLIAAVFYVRYRTLPTPRTLAKYFN<br>PCYATARLKPTF ISKVNTAVQLILVAASLAAPVFNYADSIYLQILWCFTAFTTAASAYS<br>YYHYGRKTVQVIK D |
| <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 mutiple use. Avoid                                                                                                                                                                                                                                                    |

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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**

CRLS1

**Synonyms**

CRLS1; C20orf155; CLS1; Cardiolipin synthase; CMP-forming; CLS; Protein GCD10 homolog

**UniProt ID**

[Q9UJA2](#)

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