

# Recombinant Full Length Probable Cytochrome C Oxidase Subunit 2(Ctac) Protein, His-Tagged

**Cat. No.** RFL4397MF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Probable cytochrome c oxidase subunit 2(ctaC) Protein (Q9CCF1) (43-353aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                        |
| <b>Species</b>          | Mycobacterium leprae                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | Full Length of Mature Protein (43-353)                                                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | DALAIGWPEGITPEAHLNRQLWIGAVVASLVVGVIVWGLIFWSTIFHRKKTTDTLPR<br>QF GYNMPLELVLTVTPLIISMLFYFTVIVQDKMLYLAKDPEVVIDVTAQWNWKFGY<br>QRVD FKDGTLTYDGVDPARKKAMVSKPEGKDSHGEELVGAVRGLNTEDRAYLNFD<br>KVETLGTTT EIPVLVLPAGKRIEFQLNSADVHSFWVPKFLFKRDVMPNPVANN SVN<br>VFQVEEITKTGA FVGHC AEMCGTYHSM MNFEVRV VAPNDFKAYLQQRIDGKTNAE<br>ALQVIAQPPLAVTTHPF DTRRGQLTNSQ |
| <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** ctaC

**Synonyms** ctaC; ML0875; Probable cytochrome c oxidase subunit 2; Cytochrome aa3 subunit 2; Cytochrome c oxidase polypeptide II

**UniProt ID** [Q9CCF1](#)

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