

# Recombinant Full Length Damaliscus Lunatus Cytochrome C Oxidase Subunit 3(Mt-Co3) Protein, His-Tagged

**Cat. No.** RFL34110DF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |   |
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| <b>Product Overview</b> | Recombinant Full Length Damaliscus lunatus Cytochrome c oxidase subunit 3(MT-CO3) Protein (O47694) (1-261aa), fused to N-terminal His tag, was expressed in E. coli.  |
| <b>Species</b>          | Damaliscus lunatus (Tsessebe) (Topi)  |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Full Length (1-261)   |
| <b>Form</b>             | Lyophilized powder  |
| <b>AA Sequence</b>      | MTHQTHAYHMVNPSPWPLTGALSALLMTSGLIMWFHFNSMTLLMLGLTTNMLTMY<br>QWWRD IIRESTFQGHHTSAVQKGLRYGMILFIISEVLFFTFGFFWAFYHSSLAPTPEL<br>GGCWPPTG IHPLNPLEVPLLNTSVLLASGVSITWAHHSMLMEGNRNHMLQALFITIAL<br>GVYFTLLQASE YYEAPFTISDGVYVGSTFFVATGFHGLHVIIGSTFLIVCFFRQLKFHFT<br>STHHFGFEAAAW YWHFVDVVWLFVLSIYWWGS |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.   |
| <b>Applications</b>     | SDS-PAGE  |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |

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| <b>Storage</b> | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles. |
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| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0 |
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| <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. |
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## GENE INFORMATION

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| <b>Gene Name</b> | MT-CO3 |
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| <b>Synonyms</b> | MT-CO3; COIII; COXIII; MTCO3; Cytochrome c oxidase subunit 3; Cytochrome c oxidase polypeptide III |
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| <b>UniProt ID</b> | <a href="#">O47694</a> |
|-------------------|------------------------|

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