

# Recombinant Full Length Apocytochrome F(Peta) Protein, His-Tagged

**Cat. No.** RFL26288CF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Full Length Apocytochrome f(petA) Protein (Q9TLS4) (37-320aa), fused to N-terminal His tag, was expressed in E. coli.   |
| <b>Species</b>          | Cyanidium caldarium (Red alga)  |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Full Length of Mature Protein (37-320)  |
| <b>Form</b>             | Lyophilized powder  |
| <b>AA Sequence</b>      | YPIYAQQTYENPRESTGRIVCANCHLAQKNIYIEAPKEVLPNTVFETVVKIPYEFNKKQ<br>I LGNGSKGDLNVGAVVILPEGFKLAPKDRMDEKLLKTKNLYFNNYSQKLDNIIVIGPI<br>TG KDNQEITFPILAPDPQINKNTHFLKYSIYVGANKGRGQLYPSGEKSNNNPIPSNAE<br>GRIE KIKPNEDGGYEVIIKTKDDETISQYVPIGLNLTIKEGQRIKAGEYITTDPNVGGFG<br>QSEI EIVLQNPTRLISFIFFSISVLISQLFFVLKKKQFEKVQSLNQNF |
| <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 repeated freeze-thaw cycles.  |

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|-----------------------|---|
| <b>Storage Buffer</b> | 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**

petA

**Synonyms**

petA; Cytochrome f

**UniProt ID**[Q9TLS4](#)

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