

# Recombinant Full Length *Staurastrum punctulatum* Cytochrome B6-F Complex Subunit 4(Petd) Protein, His-Tagged

**Cat. No.** RFL26166SF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Full Length <i>Staurastrum punctulatum</i> Cytochrome b6-f complex subunit 4(petD) Protein (Q32RU6) (1-160aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> . |
| <b>Species</b>          | <i>Staurastrum punctulatum</i> (Green alga) ( <i>Cosmoastrum punctulatum</i> )  |
| <b>Source</b>           | <i>E. coli</i>  |
| <b>ProteinLength</b>    | Full Length (1-160)   |
| <b>Form</b>             | Lyophilized powder  |
| <b>AA Sequence</b>      | MGVIKKPDLTDPVLRRAKLAKGMGHHYYGEPAWPNDLLYMFPVCILGTIACNVGLAVL<br>EPS LIGEPANPFATPLEILPEWYFFPVFQILRVVPNKLLGVLLMASVPVGLITVPFIEN<br>VNKF QNPFRRPVATTIFLIGTVVAVWLGIGATLPIDTSLTLGLF               |
| <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 |
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**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**

petD

**Synonyms**

petD; Cytochrome b6-f complex subunit 4; 17 kDa polypeptide

**UniProt ID**[Q32RU6](#)

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