

# Recombinant Full Length Prochlorococcus Marinus Cytochrome B559 Subunit Alpha(Psbe) Protein, His-Tagged

**Cat. No.** RFL14030PF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Prochlorococcus marinus Cytochrome b559 subunit alpha(psbE) Protein (A8G2V8) (1-84aa), fused to N-terminal His tag, was expressed in E. coli. |
| <b>Species</b>          | Prochlorococcus marinus                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                |
| <b>ProteinLength</b>    | Full Length (1-84)                                                                                                                                                    |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                    |
| <b>AA Sequence</b>      | MIMAAGSTGERPFFEIITSIRYWIIHAVTLPAIFIAGFLFVYTGLAYDAFGTPRPDSYFQ<br>SSESKAPVVTQRYEAKSQLDLRTK                                                                              |
| <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.                                                        |
| <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  | psbE                                                                             |
| Synonyms   | psbE; P9215_03221; Cytochrome b559 subunit alpha; PSII reaction center subunit V |
| UniProt ID | <a href="#">A8G2V8</a>                                                           |

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