

## Recombinant Full Length Cyanothece Sp. Photosystem II Reaction Center Protein H(Psbh) Protein, His-Tagged

**Cat. No.** RFL14978CF    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Cyanothece sp. Photosystem II reaction center protein H(psbH) Protein (B7K6Q5) (1-67aa), fused to N-terminal His tag, was expressed in E. coli. |
| <b>Species</b>          | Cyanothece sp.                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                  |
| <b>ProteinLength</b>    | Full Length (1-67)                                                                                                                                                      |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                      |
| <b>AA Sequence</b>      | MAQRTWLGDILRPLNSEYGKVAPGWGTTGLMGVFMLLFFVLLIILQIYNSSLLEGF<br>KV DWRS LGQ                                                                                                 |
| <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**

|                   |                                                                      |
|-------------------|----------------------------------------------------------------------|
| <b>Gene Name</b>  | psbH                                                                 |
| <b>Synonyms</b>   | psbH; PCC7424_4234; Photosystem II reaction center protein H; PSII-H |
| <b>UniProt ID</b> | <a href="#">B7K6Q5</a>                                               |

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