

# Recombinant Full Length Thermosynechococcus Elongatus Atp Synthase Subunit B(Atpf) Protein, His-Tagged

**Cat. No.** RFL31071TF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Thermosynechococcus elongatus ATP synthase subunit b(atpF) Protein (Q8DLP5) (1-179aa), fused to N-terminal His tag, was expressed in E. coli.                            |
| <b>Species</b>          | Thermosynechococcus elongatus                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                           |
| <b>ProteinLength</b>    | Full Length (1-179)                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                               |
| <b>AA Sequence</b>      | MSVMDALFLLATEEVGHFGINTNLLETNVINLAILIGVLVYFGRGVLGKTLGDRQKQIA<br>T AIAEAEERQKVAAARLAEAQQLTQAKQEAQRIREDALTRAKAVKEEIIAQAKREIE<br>RLQ ETASQDTSAAATERAIAEIRERIAAMALAEAENQLKARLSQNPDLQRTLIDRSIAL<br>GGK |
| <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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|                       |                                                                                                                                                                                                                                                                                                                                                                                                             |
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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> | atpF |
|------------------|------|

|                 |                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | atpF; tlr0433; ATP synthase subunit b; ATP synthase F(0 sector subunit b; ATPase subunit I; F-type ATPase subunit b; F-ATPase subunit b |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------|

|                   |                        |
|-------------------|------------------------|
| <b>UniProt ID</b> | <a href="#">Q8DLP5</a> |
|-------------------|------------------------|

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