

# Recombinant Full Length Phaeodactylum Tricornutum Atp Synthase Subunit B, Chloroplastic(Atpf) Protein, His-Tagged

Cat. No. RFL11567PF Lot. No. (See product label)

## SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Full Length Phaeodactylum tricornutum ATP synthase subunit b, chloroplastic(atpF) Protein (A0T0E9) (1-179aa), fused to N-terminal His tag, was expressed in E. coli.           |
| <b>Species</b>          | Phaeodactylum tricornutum  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | Full Length (1-179)  |
| <b>Form</b>             | Lyophilized powder   |
| <b>AA Sequence</b>      | MENFDQIFTLAEHEGIGLNLNILETGLLNILTLVGILYAGKDFLGSLLLEERKTTIVKG V<br>QDAEDRLNEAQKRLNEAQQLNQNANLVISEIRNETIATKKVLLSEVFGAKKDLKIRF<br>E RALAMFKSKERQIFLEIKQIISLVLKRTVIRAQQAFAPKERATTLINDTINKLEGDLL |
| <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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**Storage Buffer** 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** atpF

**Synonyms** atpF; ATP synthase subunit b, chloroplastic; ATP synthase F(0 sector subunit b; ATPase subunit I

**UniProt ID** [A0T0E9](#)

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