

# Recombinant Full Length *Acaryochloris Marina* Atp Synthase Subunit A 1(Atpb1) Protein, His-Tagged

**Cat. No.** RFL20589AF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length <i>Acaryochloris marina</i> ATP synthase subunit a 1(atpB1) Protein (B0BZK7) (1-240aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .                                                                                      |
| <b>Species</b>          | <i>Acaryochloris marina</i>                                                                                                                                                                                                                                         |
| <b>Source</b>           | <i>E.coli</i>                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Full Length (1-240)                                                                                                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MPLASLEVGQHLYWQIGGLKVHGGVLITSWIVIGILVIVSVLATRKVERIPSGLQNFME<br>Y ALEFVRDLTKNQIGEKEYRPWVPFIGTLFLFIFVSNWSGALFPWKLISLPEGELAAP<br>TND INTTVALALCTSFVYFYAGFRKKGLGYFRKYIEPTPVLLPIAILEDFTKPLSLSFRL<br>FGN ILADELVVAVLVLLVPLIVPLPVMLLGLFTSGIQALVFATLAGAYIHESLEGHGEE<br>EEAH |
| <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 |
|-----------------------|---------------------------------------------|

**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**

atpB1

**Synonyms**

atpB1; atpI1; AM1\_0891; ATP synthase subunit a 1; ATP synthase F0 sector subunit a 1; F-ATPase subunit 6 1

**UniProt ID**[B0BZK7](#)

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