

# Recombinant Full Length Lactuca Sativa Atp Synthase Subunit A, Chloroplastic(Atpi) Protein, His-Tagged

**Cat. No.** RFL10326LF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Lactuca sativa ATP synthase subunit a, chloroplastic(atpi) Protein (Q56P09) (1-247aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                      |
| <b>Species</b>          | Lactuca sativa (Garden lettuce)                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | Full Length (1-247)                                                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MNVLSCSINTLNGLYDISGVEVGQHFYWKIGGFQVHGQVLITSWVVIAILLASATLAV<br>RN PQTIPTSGQNFFEYVLEFIRDVSKTQIGEEYGPWVPFIGTMFLFIFVSNWSGALLP<br>WKII QLPHGELAAPTNDINTTVALALLTSVAYFYAGLSKKGLGYFGKYIQPTPILLPINI<br>LEDF TKPLSLSFRLFGNILADELVVVVLVSLVPSVVPIPMFLGLFTSGIQALIFATLAA<br>AYIG ESMEGHH |
| <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**

atpI

**Synonyms**

atpI; PSC016; ATP synthase subunit a, chloroplastic; ATP synthase F0 sector subunit a; F-ATPase subunit IV

**UniProt ID**[Q56P09](#)

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