

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

**Cat. No.** RFL27036CF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                             |
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| <b>Product Overview</b> | Recombinant Full Length ATP synthase subunit a, chloroplastic(atpI) Protein (Q9TM31) (1-239aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                      |
| <b>Species</b>          | Cyanidium caldarium (Red alga)                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Full Length (1-239)                                                                                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MISNNLEICSIDIGVHWYWNFLGLKIHGQVLLVSWVAIIIIIIILAILGTFNMQKEPRGFQ<br>NFLEYVFEFLQDISKNQIEEKYYKSWVPFISTLFLFIVSNWLGALVPWKLIKIPGELA<br>APTNDINTTVALAMLTSVSYFYAGLSKKGLRYFLKYISPTPILLPINILEDFTKPLSLSF<br>RLFGNIVADELVVAVFNLLFPLFLPLPVMVLGLFASSIQUALIFATLSASYIGESLADHH |
| <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.                                                                                                                                              |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                             |
|-----------------------|---------------------------------------------|
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0 |
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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> | atpl |
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| <b>Synonyms</b> | atpl; ATP synthase subunit a, chloroplastic; ATP synthase F0 sector subunit a; F-ATPase subunit IV |
|-----------------|----------------------------------------------------------------------------------------------------|

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| <b>UniProt ID</b> | <a href="#">Q9TM31</a> |
|-------------------|------------------------|

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