

# Recombinant Full Length Escherichia Coli Atp Synthase Subunit A(Atpb) Protein, His-Tagged

Cat. No. RFL23334EF Lot. No. (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | Recombinant Full Length Escherichia coli ATP synthase subunit a(atpB) Protein (B7L888) (1-271aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                             |
| <b>Species</b>          | E.coli                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Full Length (1-271)                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MASENMTPQDYIGHHLNNLQLDLRTFSLVDPQNPPATFWTINIDSMFFSVVLGLLFLV<br>LF RSVAKKATSGVPGKFQTAIELVIGFVNGSVKDMYHGKSKLIAPLALTIFVWVFLMN<br>LMDL LPIDLLPYIAEHVGLPALRVVPSADVNVTLSMALGVFILILFYSIKMKGIGGFTK<br>ELTL QPFNHWAFIPVNLILEGVSLLSKPVSLGLRRLFNGMYAGELIFILIAGLLPWWSQ<br>WILNVP WAIFHILIITLQAFIFMVLTIIVYLSMASEEH |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                          |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                                                                             |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                  |

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|----------------|----------------------------------------------------------------------------------------------------------------|
| <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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| <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> | atpB |
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| <b>Synonyms</b> | atpB; EC55989_4213; ATP synthase subunit a; ATP synthase F0 sector subunit a; F-ATPase subunit 6 |
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| <b>UniProt ID</b> | <a href="#">B7L888</a> |
|-------------------|------------------------|

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