

# Recombinant Full Length Shigella Dysenteriae Serotype 1 Atp Synthase Subunit A(Atpb) Protein, His-Tagged

**Cat. No.** RFL12956SF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Shigella dysenteriae serotype 1 ATP synthase subunit a(atpB) Protein (Q329S7) (1-271aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                              |
| <b>Species</b>          | Shigella Dysenteriae Serotype 1                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Full Length (1-271)                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MASENMTPQDYIGHHLNNLQLDLRTFSLVDPQNPPATFWTINIDSMFFSVGLGLLFL<br>VLF RSVAKKATSGVPGKFQTAIELVIGFVNGSVKDMYHGKSKLIAPLALTIFVWVFLM<br>NLMDL LPIDLLPYIAEHVLGLPALRVVPSADVNVTLSMALGVFILILFYSIKMKGIGGFT<br>KELTL QPFNHWAFIPVNLILEGVSLLSKPVSLGLRLFGNMYAGELIFILIAGLLPWWSQ<br>WILNVP WAIFHILIITLQAFIFMVLITIVYLSMASEEH |
| <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                                                                                                                                                                                                                    |

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repeated freeze-thaw cycles.

**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**

atpB

**Synonyms**

atpB; SDY\_4010; ATP synthase subunit a; ATP synthase F0 sector subunit a; F-ATPase subunit 6

**UniProt ID**

[Q329S7](#)

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