

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

**Cat. No.** RFL15757MF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Manihot esculenta ATP synthase subunit a, chloroplastic(atpi) Protein (B1NWD8) (1-249aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                    |
| <b>Species</b>          | Manihot esculenta (Cassava) (Jatropha manihot)                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Full Length (1-249)                                                                                                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MNVLSCSINTLTRGLYDISGVEVGQHFYWKIGGFQVHAQVLITSWVVIAILLGSAIVA<br>V RNPQTIPTGGQNFFEYVLEFIRDVSKTQIGEEYGPWVPFIGTMFLFIFVSNWAGALL<br>PWK IIQLPHGELAAPTNDINTTVALALLTSIAYFYAGLSKKGLGYFSKYIQPTPILLPINI<br>LE DFTKPLSLSFRLFGNILADELVVVVLVSLVPSVVPVPMFLGLFTSGIQALIFATLAA<br>AY IGESMEGHH |
| <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**

atpl

**Synonyms**

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

**UniProt ID**

[B1NWD8](#)

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