

# 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(atpl) 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 V RNPQTIPTGGQNFFEYVLEFIRDVSKTQIGEEYGPWVPPFIGTMFLFIFVSNWAGALL PWK IIQLPHGELAAPTNDINTTVALALLTSIAYFYAGLSKKGLGYFSKYIQPTPILLPINI LE DFTKPLSLSFRLFGNILADELVVVVLVSLVPSVVPIPV MFLGLFTSGIQALIFATLAA 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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