

# Recombinant Full Length Atropa Belladonna Photosystem II Reaction Center Protein Z(Psbz) Protein, His-Tagged

**Cat. No.** RFL23109AF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Atropa belladonna Photosystem II reaction center protein Z(psbZ) Protein (P59706) (1-62aa), fused to N-terminal His tag, was expressed in E. coli. |
| <b>Species</b>          | Atropa belladonna (Belladonna) (Deadly nightshade)                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                     |
| <b>ProteinLength</b>    | Full Length (1-62)                                                                                                                                                         |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                         |
| <b>AA Sequence</b>      | MTLAFQLAVFALIATSLILLISVPVVFASPDGWSSNKNVVFSGTSLWIGLVFLVGILNSLIS                                                                                                             |
| <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.                                                             |
| <b>Storage Buffer</b>   | Tris/PBS-based buffer, 6% Trehalose, pH 8.0                                                                                                                                |

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**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  | psbZ                                                         |
| Synonyms   | psbZ; ycf9; Photosystem II reaction center protein Z; PSII-Z |
| UniProt ID | <a href="#">P59706</a>                                       |