

# Recombinant Full Length Rhodobacter Sphaeroides Potassium-Transporting ATPase C Chain(KdpC) Protein, His-Tagged

**Cat. No.** RFL21088RF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Rhodobacter sphaeroides Potassium-transporting ATPase C chain(kdpC) Protein (A3PNW1) (1-185aa), fused to N-terminal His tag, was expressed in E. coli.                          |
| <b>Species</b>          | Rhodobacter Sphaeroides                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | Full Length (1-185)                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MMTHLRPALASLLALSLLTGVAYPLALTGIAAVIAPDRAAGSLILREGQVVGSAIGQG<br>F DGPGYLHPRPSASDWNAAGTSASNLGPTSAALLAEVQERQAAYEAQNGAPAPVD<br>AVTASG SGLDPHVSPANARAQAARIARARGLDEAAVRRLIEAHVEPPLLGLWGQAR<br>VNVLAVNLAL DAAGA |
| <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**

kdpC

**Synonyms**

kdpC; Rsph17029\_2925; Potassium-transporting ATPase KdpC subunit; ATP phosphohydrolase [potassium-transporting] C chain; Potassium-binding and translocating subunit C; Potassium-translocating ATPase C chain

**UniProt ID**

[A3PNW1](#)

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