

# Recombinant Full Length Pyrophosphate-Energized Proton Pump(Hppa) Protein, His-Tagged

**Cat. No.** RFL10207AF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Pyrophosphate-energized proton pump(hppA) Protein (Q8VRZ1) (1-141aa), fused to N-terminal His tag, was expressed in E. coli.   |
| <b>Species</b>          | Anaplasma marginale                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                 |
| <b>ProteinLength</b>    | Full Length (1-141)                                                                                                                                    |
| <b>Form</b>             | Lyophilized powder                                                                                                                                     |
| <b>AA Sequence</b>      | NGSIMGALYKGLIATGLLSIVGLGVANTLTVGWGEIGTVAGKSITGTNLFVCGLIGLIVT<br>GLIVVITEYYTGTNKRPNVNSXAQASVTGHGTNVIQGLAVSLESTALPAIVIVGGIIXTYQ<br>LAGLFGTAIAVTAMLGIAGMI |
| <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**

|                   |                                                                                                                                                                         |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>  | hppA                                                                                                                                                                    |
| <b>Synonyms</b>   | hppA; Pyrophosphate-energized proton pump; Membrane-bound proton-translocating pyrophosphatase; Pyrophosphate-energized inorganic pyrophosphatase; H(+)-PPase; Fragment |
| <b>UniProt ID</b> | <a href="#">Q8VRZ1</a>                                                                                                                                                  |

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