

Recombinant Full Length Pyrophosphate-Energized Proton Pump 1(Hppa1) Protein, His-Tagged

Cat. No. RFL24863MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Pyrophosphate-energized proton pump 1(hppA1) Protein (Q93AR8) (1-225aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Mycoplana dimorpha
Source	E.coli
ProteinLength	Full Length (1-225)
Form	Lyophilized powder
AA Sequence	AIGSAGLGALVLF AAYSNDLSYFAANGDKYPYFANIGEISFDLSNPYVVAGLIFGGLIP Y LFGGIAMTAVGRAAGSIVEEVRRQFKEKPGIMQGKDKPNYGRAVDLLTKAAIREMI VPSL LPVLAPLVVYFGVLLISGSKASAF AALGASLLGVIVNGLFVAISMTSGGGAWDN AKKSFE DGFVDKDGQRHMKGSEAHKASVTGDTVGD PYKDTAGPAVNPAIKI
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

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Storage Buffer	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**

hppA1

Synonyms

hppA1; Pyrophosphate-energized proton pump 1; Membrane-bound proton-translocating pyrophosphatase 1; Pyrophosphate-energized inorganic pyrophosphatase 1; H(+)-PPase 1; Fragment

UniProt ID[Q93AR8](#)

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