

Recombinant Full Length Chromatium Vinosum K(+)-Insensitive Pyrophosphate-Energized Proton Pump(Hppa) Protein, His-Tagged

Cat. No. RFL20279AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Chromatium vinosum K(+)-insensitive pyrophosphate-energized proton pump(hppA) Protein (Q8VNU8) (1-197aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Allochrochromatium vinosum
Source	E.coli
ProteinLength	Full Length (1-197)
Form	Lyophilized powder
AA Sequence	AGGIAEMSGLPEDVRKTTDALDAVGNTTKAVTKGYAIGSAGLAALVLFADYTHNLEV AGK MQVFSLSDPAVIIGLFIGGLVPYLFAMAMEAVGRAAGSVVIEVRRQFREIKGIM EGTAK PDYSRAVDLLTKAAIKEMVVPSSLPLVPVAVAIGMNILMGDGAGIRALGGML IGTIVTG LFVAISMCTGGGAWDNA
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

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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

hppA

Synonyms

hppA; vppA; K(+)-insensitive pyrophosphate-energized proton pump; Membrane-bound proton-translocating pyrophosphatase; Pyrophosphate-energized inorganic pyrophosphatase; H(+)-PPase; Fragment

UniProt ID

[Q8VNU8](#)

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