

# Recombinant Full Length Polynucleobacter Sp. Potassium-Transporting Atpase B Chain(Kdpb) Protein, His-Tagged

Cat. No. RFL21139PF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Full Length Polynucleobacter sp. Potassium-transporting ATPase B chain(kdpB) Protein (A4SZG8) (1-691aa), fused to N-terminal His tag, was expressed in E. coli.

**Species** Polynucleobacter asymbioticus

**Source** E.coli

**ProteinLength** Full Length (1-691)

**Form** Lyophilized powder

**AA Sequence**

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MTKRKLGMFDAELVKPAIVDSFRKLSPSIQWRNPVMFVVYIGSILTTLLWIQSLYGE
EA SSSFILGVMLWLWFTVLFANFAEALAEGRSKAQAASLRGLKKETWAKKVKAANI
PENWDN RPASELVSATQLRKGDIFIAEANDVIAADGEVIAGVASVDESAITGESAPVI
RESGGDFS SVTGGTRVLSDWIVVRVTVNPGETFIDRMISMVENAKRQKTPNEIALTI
LLVALTIVFLV VVATLLPFSMFSAASGSGSPIQITVLIALLVCLIPPTIAGLLSAIGVAG
MSRMMANVI ATSGRAVEAAGDVDVLLLDKTGTITLGNRQASNFVAASGVTEAELA
DIAQLASLADETP EGRSIVVLAKQKFNIREREINSIGAQFVPFTAQTRMSGVDMNGE
QIRKGAASAIQKHIESL GGHPQEV LKAVDDVSRRGSTPLVVSQGTRVMGVVELKDI
VKGGIKERFNE LRQMGIRTI MITGDNKL TAAAIAAEAGVDDFLAEATPEDKLALIRKH
QSEGRLVAMTGDGTNDAPALAQ ADVAVAMNSGTQAAKEAGNMVDLDSNPTKLIEV
VETGKQMLMTRGSLTTFSIANDVAKYF AIIPAAFVATYPQLEALNVMHLSSPSSAILS

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AVIFNALIIIFLIPLALKGVTYKPLGAAA LLRRNMTIYGLGGLIAPFIGIKIIDLIISVI

**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.

**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** kdpB

**Synonyms** kdpB; Pnuc\_1669; Potassium-transporting ATPase ATP-binding subunit; ATP phosphohydrolase [potassium-transporting] B chain; Potassium-binding and translocating subunit B; Potassium-translocating ATPase B chain

**UniProt ID** [A4SZG8](#)

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