

Recombinant Full Length Nostoc Sp. Potassium-Transporting Atpase B Chain 1(Kdpb1) Protein, His-Tagged

Cat. No. RFL8059NF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Nostoc sp. Potassium-transporting ATPase B chain 1(kdpB1) Protein (Q8YPE9) (1-701aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Nostoc sp.
Source	E.coli
ProteinLength	Full Length (1-701)
Form	Lyophilized powder
AA Sequence	MNPVAPTRKVKPPRNRPSDRRQARKKARIKTKGIYLRAIKDAFVKLNPKSAIKNPVMF VV WVATLVTLAVTINPDLFGPNQQKNPQLFNGLLTGILFFTWWFANFAEAVAEGRGK AQADT LRSTKSEAIKQLSPDGTIAEVPSTNLKQGDTVYVVAGDIIPADGEVIMGVAS VDESAIT GESAPVLKESGSDVASSVTGGTRIISDELIVRVTSDPGKGFIDRMIALVEG AERSKTPNE VALTVLLAVLSLVFLFVIATLPAFAYYADTPVNVPTLIALLVALIPTTIGGL LSAIGIAG MDRVAQFNVIATSGRAVEVCGDINTLVLDKTGTITLGNRLAEFIPINGYS VEQLASVAW AASVFDDTPEGKSIVRLAEKLGIRYDLDPNLAQAVEFSKTRMSGTN LPGGREARKGAVG AIQGFVRSRNGQTIPELDAAYERVSQQGGTPLAVCLDNEIYGV IYLKDIVKSGIRERFDQ LRRMGVRTIMLTGDNHITASVIAQEAGVDDFIAEATPEDKIS VIQREQAQGKLVAMTGDG TNDAPALAQANVGVMAMNTGTQAAKEAANMVDLSDP TKLIDIVSIGKQLLITRGALTTF S IANDIAKYFAIIPVIFAAANLQSLNIMNLTSTNSAVLS

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ALIYNALIIPALIPLALKGVQF RPLTANQLLQRNILIYGLGGVIAPFIAIKLIDILITLVGLA

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 kdpB1

Synonyms kdpB1; all4245; Potassium-transporting ATPase ATP-binding subunit 1; ATP phosphohydrolase [potassium-transporting] B chain 1; Potassium-binding and translocating subunit B 1; Potassium-translocating ATPase B chain 1

UniProt ID [Q8YPE9](#)

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