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

Cat. No. RFL10581SF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Synechocystis sp. Potassium-transporting ATPase B chain(kdpB) Protein (P73867) (1-690aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Synechococcus sp.
Source	E.coli
ProteinLength	Full Length (1-690)
Form	Lyophilized powder
AA Sequence	MNSTSTVRQPGGPRQQRRHTPKANLSDLYQRAFKEAWVKLNPKIMVKNPVMFMV WVGTLI TGMLTLNPNLFGVTGTSAMFNGLVTVILLFTVLFANFAEAVAEGRGKAQAD ALRSTQTQT YAQRILADGSLEMVSSTHLRKGDRIVVSVGDIIPADGEVLEGVASVDE SAITGESAPVLK EPGSDVASSVTGGTRIISDELIIRVTADPGKGFIDRMIDLVEGAERS KTPNEIALTVLLA VLTLVFLIVVATLPPPANYIDSPVSITLLIALLVALIPTTIGGLLSAIGIA GMDRVAQFN VVATSGRAVEACGDINTLVLDKTGTITLGNRLAETFLPVNGHSLKEVA AIALAASIFDTT PEGKSIVRLAEKMGATLDFDRQQAEGVEFSARTRMSGTDLPDGSE VRKGAVDAIRGFVRS RGGKSPTGLDEAYGKVSHLGGTPLAVCRNDEIYGVIYLKDII KPGIQERFNQLRRMGVRT VMLTGDNRITASVIAKEAGVDDFIAEATPEDKIQVIQQE QAAGKLVAMTGDGTNDAPALA QANVGLAMNSGTQAAKEAANMVDLDSDPTKLIDL VTIGKQLLITRGALTTFSLANDIAKY FAIIPAMFAGIGIGALNIMDLKSPQSAVLSALIYN

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	ALIIPALIPLALRGVKFRPLSADQL LQRNILVYGLGGIIVPFVAIKLIDLGISLL
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	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℃/-80℃. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	kdpB
Synonyms	kdpB; slr1729; 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	P73867

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