

# 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**

```

MNSTSTVRQPGGPRQRRHTPKANLSDLYQRAFKEAWVKLNPKIMVKNPVMFMV
WVGTLI TGMLTLNPNLFGVTGTSAMFNGLVTVILLFTVLFANFAEAVAEGRGKAQAD
ALRSTQTQT YAQRILADGSLEMVSSTHLRKGDRIVSVSGDIIPADGEVLEGVASVDE
SAITGESAPVLK EPGSDVASSVTGGTRIISDELIIRVTADPGKGFIDRMIDLVEGAERS
KTPNEIALTVLLA VLTLVFLIVVATLPPPANYIDSPVSITLLIALLVALIPTTIGGLLSAIGIA
GMDRVAQFN VVATSGRAVEACGDINTLVLDKTGTITLGNRLAETFLPVNGHSLKEVA
AIALAASIFDTT PEGKSIVRLAEKMGATLDFDRQQAEGVEFSARTRMSGTDLDPDGSE
VRKGAVDAIRGFVRS RGGKSPTGLDEAYGKVS HLGGTPLAVCRNDEIYGVIYLDKDI
KPGIQUERFNQLRRMGVVRT VMLTGDNRITASVIAKEAGVDDFIAEATPEDKIQVIQQE
QAAGKLVAMTGDGTNDAPALA QANVGLAMNSGTQAAKEAANMVDLSDSDPTKLIDL
VTIGKQLLITRGALTTFFSLANDIAKY FAIIPAMFAGIGIGALNIMDLKSPQSAVLSALIYN
    
```

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

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°C/-80°C. 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](https://www.uniprot.org/protein/P73867)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA