

# Recombinant Full Length Yersinia Pseudotuberculosis Serotype O:1B Potassium-Transporting ATPase B Chain(Kdpb) Protein, His-Tagged

**Cat. No.** RFL22260YF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Yersinia pseudotuberculosis serotype O:1b Potassium-transporting ATPase B chain(kdpB) Protein (A7FFQ9) (1-688aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Yersinia pseudotuberculosis serotype O:1b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Full Length (1-688)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MTHKQRAIFEPTLVRTALLDAVKKLDPRVQWRNPVMFVVYLGSWLTTLIWLAILSGH<br>TTG SAMFTGSIALWLWFTVLFANMAEALAEGRSKAQAAASLRGVKKTSWAKKLSEA<br>RVDAPQEK VSADSLRKGDVLVIEAGDTVPCDGEVLEGGASVDESAITGESAPVIRE<br>GGDFSSVTGGT RVLSDWLVEECRVNPGETFLDRMIAMVEGAKRRKTPNEVALTILL<br>VALTIVFLLATATLY PFSVFSVEASQAGSPVTITVLVALLVCLIPTTIGLLSAIGVAGM<br>SRMLGANVIATSGRA VEAAGDVDVLLLDKTGTITLGNRQASEFLPAPGVTEQQQLAD<br>AAQLSSLADETPEGRSIVV LAKQRFNLRERDLHSLNATFIPFSAQTRMSGVNVQER<br>MIRKGAVDAIRRHVESNQGHFPP AVDDLVASVARTGGTPLVVAEGSRVLGVVALKD<br>IVKGGIKERFAELRKMGIKTVMITGDN RLTAIAAIAEAGVDDFLAEATPEAKLALIRQY<br>QAEGRLVAMTGDGTNDAPALAQADVAVA MNSGTQAAKEAGNMVDLDSNPTKLIEV |

 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

VHIGKQMLMTRGSLTTFSIANDVAKYFAIPAA FAATYPQLNALNIMQLHSPSSAILSA  
VIFNALVIVFLIPLALKGVSYKAMSAAALLRRNL WIYGLGGLLVPFVGIKLIDLLLTA  
MG

**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; YpsIP31758\_1106; 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** [A7FFQ9](#)

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