

Recombinant Full Length Tolumonas Auensis Potassium-Transporting Atpase B Chain(Kdpb) Protein, His-Tagged

Cat. No. RFL30199TF **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Tolumonas auensis Potassium-transporting ATPase B chain(kdpB) Protein (C4LDL7) (1-688aa), fused to N-terminal His tag, was expressed in E. coli.

Species Tolumonas auensis

Source E.coli

ProteinLength Full Length (1-688)

Form Lyophilized powder

AA Sequence

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MSRKQFTLFDPVLLKPALWSAVLKLDPRAQWHNPVMMVVWCCCVELLIVCGVQFA
GDSSS EAVFSLGVTAWLWFTLLFANLAEALAEGRSKAQAASLKGLKKTVVAHKLAA
AEHDAVSQP VPADSLRKGDYVLVSAGEVIPYDGEVIEGVASVDESAITGESAPVIRE
SGGDFSAVTGGT RVLSDWLVI GCTVNPGETFLDRMISMVEGAKRRKTPNEIALSILL
VALTLVFL LAVVTLM PFSQYSVNSMGHGEPISVTVLVALLVCLIPTTIGGLLSAIGVAG
MSRMLAANVIATSGRA VEAAGDIDVLLLDKTGTITLGNRQAAAFLPAPGISEQELASA
AQLASLADETPEGRSIVV LAKQRFNLREHDIHALGATFVPFSAQTRMSGVNIHDRMI
RKGSDALRRHVASNQGHPPEVEKQVEDVAKTGGTPLVVSEGACVLGVVALKDI
VKGGIKERFAELRRMGIKTVMITGDN RLTA A A I A A E A G V D D F L A E A T P E A K L A L I R Q Y
Q A E G R L V A M T G D G T N D A P A L A Q A D V A V A M N S G T Q A A K E A G N M V D L D S N P T K L I E V
V H I G K Q M L M T R G S L T T F S L A N D L A K Y F A I L P A A F I T T Y P Q L G A L N L M H L S S P Q S A I L S A
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VIFNALIIIGLIPLALRGVHYQPRSAKSLRRNL FFYGLGGVVLPFIGIKVIDLFLTLMGW
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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; Tola_1193; 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 [C4LDL7](#)

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