

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

Cat. No. RFL23993CF Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Thermoanaerobacter tengcongensis Potassium-transporting ATPase B chain(kdpB) Protein (Q8R8I6) (1-681aa), fused to N-terminal His tag, was expressed in E. coli.

Species Caldanaerobacter subterraneus subsp. tengcongensis

Source E.coli

ProteinLength Full Length (1-681)

Form Lyophilized powder

AA Sequence

MKRKREIKTWSREIVVGAIKNSFIKLNPLYMYKNPVMFVVEVGTFITLLATIFPTYFGS
 T PDEVGYNALVTFILFVTVLFANFAESLAEGRGKAQAETLRKTKKETMAKLVQSDGS
 IKIV KSSELKKGDIVICEAGDIIPADGEIIEGLAAIDESAITGESAPVIKEAGGDFSSVTG
 GTK VISDRIKIRVTVDEGESFLDRMIKLVGAKRQKSPNEIALTTVLVSLTIIFIVVMTL
 YP MAKFVHVRISAATMIALLVCLIPTTIGLLSAIGIAGMDRVTRFNVIAMSGKAVEAA
 GDI DTILLDKTGTITFGNRLAADFIPVGGHSKEEVTYALISLKDLTPEGRSIVDLARK
 MGA KAPDDILEGAEVVEFSAETRMSSGLNLKDGTIVRKGSYDKVKEYIGEKGGSSIPDD
 LDKEVE KISLLGGTPLVVVKDNEVLGVIYLKDTIKPGMKERFKQLRAMGIKTIMITGDN
 PLTAKTI AEEAGVDEFIAESKPEDKINVIKREQAQGRVLVAMTGDGTNDAPALAQADV
 GLAMNSGTMA AKEAANMVDLSDPTKIIIEVVGIGKQLLMTRGALTTFSIANDVAKYF

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AILPAISETLPA IKVLDVMKLSSTNAILSALIYNAIIPILIPIAMRGVKYRPMSANALLM
RNLLIYGLGG LIAPFVGIKLIDMISSIFGM

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; TTE2011; 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 [Q8R8I6](https://www.uniprot.org/entry/Q8R8I6)

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