

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

Cat. No. RFL11408BF Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Bacillus cereus Potassium-transporting ATPase B chain(kdpB) Protein (Q63FR0) (1-697aa), fused to N-terminal His tag, was expressed in E. coli.

Species Bacillus cereus

Source E.coli

ProteinLength Full Length (1-697)

Form Lyophilized powder

AA Sequence

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MMRPVVVKEKRVNESQIHVVEDEV RQAKTMDRDIVTHAMKQSI AKLNPKVMIKNPIM
FVV EIGFIITFILSFLPSSSSSIPGWFNITVSLILLFTVLFANFAEALAEGRGKAQADSLK
QS KKDVFANVVKENGDIVQVSATDLRKG DVVIVKQGEMIPSDGEVIKGLASVDESAI
TGESA PVIKEAGGDFCSVTGGTMVVSDEITIVITSNPGESFIDKMISLVEGAARQKTP
NEIALNT VLTSLLIFLIVVTLPIFTNYLGFQIDTAVLVALLVCLIPPTIGGLLSAIGIAGM
DRVT KFNVLAMSGKAVEAAGDINTIILDKTGTITFGNRMAHTLLPVGNETIEQVGKWA
AISSVL DETPEGRSVIEYVQAKSISYNRELAEQGEFVFPFAETRMMSGVDLRDGTKVR
KGAVSSVIE WVQSQGGTIPKDVNQKADFISKEGGTPLVVAVNDHIYGLIYLKDTVKP
GMRERFEQLRQM GIKTMCTGDNPLTAATIAKEAGVDEFVAECKPEDKIAVIKAEQD
KGKLVAMTGDGTNDA PALAQADVGLAMNSGTAAKEAANMIDLDSNPTKIIIEVVGIG
KQLLMTRGALTTFSIAND VAKYFAIIPAMFTLAIPQMEALNIMKLTSP LSAILSALLFNA
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VIIPLLIPLAMKGIAYKP MSSNALLGRNLLIYGLGGVIVPFIGIKVIDIIVGLFI

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; BCE33L0647; 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 [Q63FR0](https://www.uniprot.org/entry/Q63FR0)

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