

# Recombinant Full Length Clostridium Botulinum Potassium-Transporting Atpase B Chain(Kdpb) Protein, His-Tagged

**Cat. No.** RFL8303CF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Clostridium botulinum Potassium-transporting ATPase B chain(kdpB) Protein (B2V2P3) (1-688aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Clostridium Botulinum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Full Length (1-688)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | <p>MNENKGNFANKKMIKRAIKDSFIKLSPKTQMENPVMFLVYISSILTTILYAVSLVGIRDS<br/> KSSFILGITIILWLTVLFANFAEIAIEGRGKAQADSLRAAKKDVEAHKIPSIEKRDEITK<br/> VSSALLKKGDIVIVVAGEQVPADGEVIDGAASVDESAITGESAPVIRESGGDRSAVTG<br/> GT TVISDWLIEVTSEAGESFLDKMISMVEGAARKKTPNEIALQILLISLTIIFLLVTVSLY<br/> SYSIFSANQAGVVPISVTSVLVALLVCLAPTTIGALLSSIGIAGMSRLNQANVLAMSGR<br/> A IEAAGDVDILMLDKTGTITLGNREACEFIPVNGVNENELADAAQLSSLADETPEGRS<br/> IVV LAKEKFGIRGRNIRESNMEFIPFTAKTRMSGVNYNNSEIRKGAAETVKDYVISRG<br/> GCYSK ECDEVVARISNKGGTPLVVAKDNLVGVVYLKDIKQGVQEKFADLRKMGIK<br/> TIMITGDN PLTAAAIAAEAGVDDFLAEATPEGKLEMIRDFQIKGHLVAMTGDGTNDAP<br/> ALAQADVAVA MNTGTQAAKEAGNMVDLDSSPTKLIDIVRIGKQLLMTRGSLTTFSIA<br/> NDLAKYFAIPAL FIGLYPGLSALNIMNLHSAESAIFSIIYNALIIVALIPLALKGVKYRE</p> |

 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

|                       |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | VSAGKLLSRNL LVYGLGGIIVPFIKVIDVLITAIGIV                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>         | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Notes</b>          | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution</b> | 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

|                   |                                                                                                                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>  | kdpB                                                                                                                                                                                                            |
| <b>Synonyms</b>   | kdpB; CLH_0916; Potassium-transporting ATPase ATP-binding subunit; ATP phosphohydrolase [potassium-transporting] B chain; Potassium-binding and translocating subunit B; Potassium-translocating ATPase B chain |
| <b>UniProt ID</b> | <a href="#">B2V2P3</a>                                                                                                                                                                                          |

 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