


## Vibrio cholerae Toxin B Protein

Cat #: PRP3005

Size: 5 µg/20 µg/100 µg/1 mg

### Product Information

|   |   |            |   |
|---|---|------------|---|
|   | <b>Product Name:</b> Vibrio cholerae Toxin B Protein            |            |   |
| <b>REF</b>  | <b>Catalog Number:</b> PRP3005                                  | <b>LOT</b> | <b>Lot Number:</b> Refer to product label |
|   | <b>Purity:</b> > 98 % as determined by SDS-PAGE                 |            |   |
|  | <b>Storage:</b> Store at -20°C                                  |            | <b>Preparation method:</b> <i>E.coli</i>  |
|   | <b>Shipping:</b> The product is shipped at ambient temperature. |            |   |

**Background:** Cholera toxin (CT) is an AB<sub>5</sub> enterotoxin produced by *Vibrio cholerae* and is responsible for the disease manifestations. Several publications indicate that the toxin binds to glycoprotein and that the B-chain binds to GM1 ganglioside pentasaccharide on the cell surface.

**Sequence:** Amino acid sequence derived from Vibrio cholerae Toxin B (Thr22-Asn124) (P01556) was expressed.

**Protein length:** The recombinant Vibrio cholerae Toxin B Protein consists of 103 amino acids and predicts a molecular mass of 11.6 kDa.

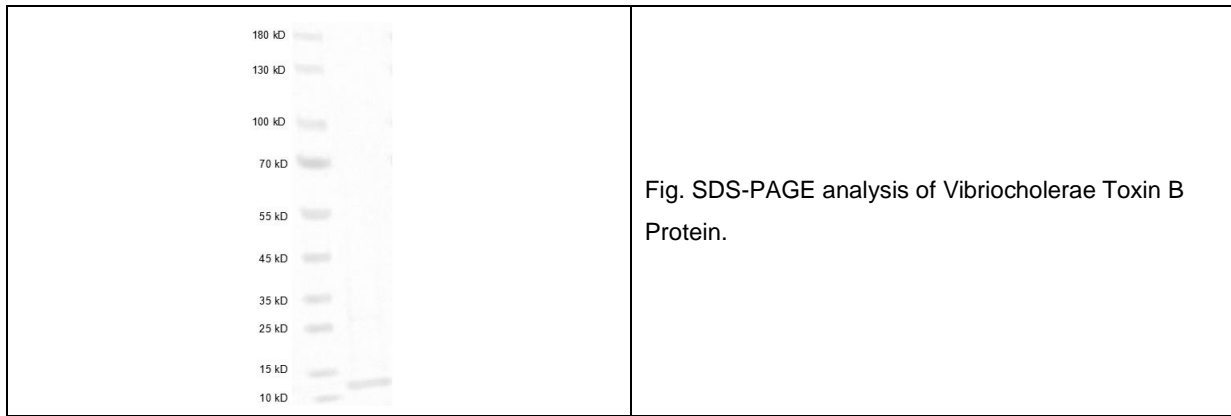
**Biological Activity:** Testing in Progress.

**Endotoxin:** <1 EU per µg of the protein by the LAL method.

**Formulation:** Liquid in from sterile 50 mM Tris-HCl, 200 mM NaCl, 10% glycerol, pH8.0.

**Storage Instructions:** The protein product should be stored desiccated below -20°C. The protein should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to dilute the protein using the PBS buffer or Protein storage solution to working concentration.



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