

## Native *Vibrio cholerae* ctxB Protein

**Cat. No.** ctxB-01V    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Native <i>Vibrio cholerae</i> ctxB Protein was extracted from <i>Vibrio cholerae</i>                                                                                                                                                                                                                               |
| <b>Species</b>          | <i>Vibrio cholerae</i>                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | <i>Vibrio cholerae</i>                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | Cholera toxin consists of a single A subunit surrounded by five B subunits. The B subunit pentameric ring directs the A subunit to its target by binding to the GM1 gangliosides present on the surface of the intestinal epithelial cells. It can bind five GM1 gangliosides. It has no toxic activity by itself. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                        |
| <b>Usage</b>            | RUO - Research Use Only                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>          | long time storage: +4°C                                                                                                                                                                                                                                                                                            |
| <b>Storage Buffer</b>   | Lyophilized from 0.05M Tris, pH 7.5, containing 200 mM NaCl, and 1 mM Na <sub>2</sub> EDTA.                                                                                                                                                                                                                        |
| <b>Reconstitution</b>   | Reconstitute with 0.5ml sterile water to a 2mg/mL solution.                                                                                                                                                                                                                                                        |
| <b>Handling</b>         | Handle gently and do not vortex. Store at +4°C prior to and following reconstitution. Do not freeze.                                                                                                                                                                                                               |
| <b>Shipping</b>         | Ambient                                                                                                                                                                                                                                                                                                            |

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## GENE INFORMATION

|                 |                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------|
| Gene Name       | ctxB cholera enterotoxin binding subunit CtxB [ Vibrio cholerae O1 biovar El Tor str. N16961 ] |
| Official Symbol | ctxB                                                                                           |
| Gene ID         | 2613962                                                                                        |
| Protein Refseq  | WP_000593522.1                                                                                 |
| UniProt ID      | P01556                                                                                         |

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