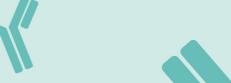
# antibodies -online.com







# **CTXB Protein (His tag)**



#### Overview

| 0.1011                        |  |
|-------------------------------|--|
| Quantity:                     | 50 μg  |
| Target:                       | CTXB   |
| Origin:                       | Vibrio sp.   |
| Source:                       | HEK-293 Cells  |
| Protein Type:                 | Recombinant  |
| Purification tag / Conjugate: | This CTXB protein is labelled with His tag.  |
| Product Details               |  |
| Purpose:                      | Vibrio cholerae serotype O1 (strain ATCC 39315 / El Tor Inaba N16961) Cholera enterotoxin  |
|                               | subunit B Protein, His Tag (MALS verified)   |
| Sequence:                     | Thr 22 - Asn 124   |
| Characteristics:              | Vibrio cholerae serotype O1 Cholera enterotoxin subunit B, His Tag is expressed from human |
|                               | 293 cells (HEK293). It contains AA Thr 22 - Asn 124 (Accession # P01556).                  |
| Purity:                       | 95 %   |
| Endotoxin Level:              | 1.0 EU per μg  |
| Grade:                        | MALS verified  |
| Target Details                |  |
| Target:                       | CTXB   |
| Alternative Name:             | Cholera Enterotoxin Subunit B (CTXB Products)  |
|                               |  |

#### Target Details

| Backo | round:   |
|-------|----------|
| Dacku | n Ouriu. |

Cholera toxin is protein complex secreted by the bacterium Vibrio cholerae. It is responsible for the massive, watery diarrhea characteristic of cholera infection. The B subunit of cholera toxin (CtxB) binds to a GM1-ganglioside receptor, a ubiquitous glycolipid cell surface receptor. This binding is widely accepted to initiate toxin action by triggering uptake and delivery of the toxin A subunit into cells. The beta chain has no toxic activity by itself. The holotoxin consists of a pentameric ring of B subunits whose central pore is occupied by the A subunit. The A subunit contains two chains, A1 and A2, linked by a disulfide bridge.

Molecular Weight:

13.5 kDa

## **Application Details**

Comment:

This protein carries a polyhistidine tag at the C-terminus. (10xHis) The protein has a calculated MW of 13.5 kDa. The protein migrates as 16-17 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Restrictions:

For Research Use only

## Handling

| Format:          | Lyophilized |
|------------------|-------------|
| Buffer:          | PBS, pH 7.4 |
| Storage:         | -20 °C      |
| Storage Comment: | -20°C       |