

## 32-8571: Recombinant *Vibrio cholerae* Toxin B

**Gene :** ctxB  
**Gene ID :** 2613962  
**Uniprot ID :** P01556

### Description

Source: E.coli.  
MW :11.8kD.

Recombinant *Vibrio cholerae* Toxin B is produced by our E.coli expression system and the target gene encoding Thr22-Asn124 is expressed. Cholera toxin is protein complex secreted by the bacterium *Vibrio cholerae*. It is responsible for the massive, watery diarrhea characteristic of cholera infection. Cholera enterotoxin subunit B (CTXB) 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 50mM Tris, 200uM NaCl,pH8.0.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MTPQNITDLCAEYHNTQIYTLNDKIFSUTESLAGKREMAITFKNGAIFQVEVPGSQHIDSQKKAIERMKDTRLRIAYL TEAKVEKLCVWNNKTPHAIAAISMAN

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.