

## **Recombinant Vibriocholerae Toxin B**

Catalog #	EPT133
Expression Host	E.coli
DESCRIPTION	Recombinant Vibriocholerae Toxin B is produced by
	our E.coli expression system and the target gene
	encoding Thr22-Asn124 is expressed.
Accession	P01556
Synonyms	Cholera enterotoxin subunit B;Cholera enterotoxin B
	chain;Cholera enterotoxin gamma
	chain;Choleragenoid;ctxB;toxB
Mol Mass	11.8 KDa
AP Mol Mass	11 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing
	SDS-PAGE.
Endotoxin	Less than 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) as determined by LAL
	test.
FORMULATION	Lyophilized from a 0.2 $\mu$ m filtered solution of 50mM
	Tris-HCl, 200mM NaCl, pH 8.0.
RECONSTITUTION	Always centrifuge tubes before opening.Do not mix by



ELKbio@ELKbiotech.com www.elkbiotech.com +86-27-59760950 23-2, No.388 Gaoxin 2nd Road, Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C



vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING The product is shipped at ambient temperature.Upon receipt, store it immediately at the temperature listed below.

STORAGELyophilized protein should be stored at < -20 ° C,<br/>though stable at room temperature for 3 weeks.<br/>Reconstituted protein solution can be stored at 4-7 °C<br/>for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

**BACKGROUND** 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



+86-27-59760950

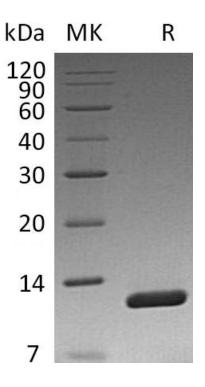
ELKbio@ELKbiotech.com

www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road, Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C



GM1 gangliosides. It has no toxic activity by itself.



**SDS-PAGE** 



+86-27-59760950 ELKbio@ELKbiotech.com

www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road, Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C