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Datasheet for ABIN7482638
CTXB Protein (His tag)

Overview

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

Background: 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
