

## C. difficile Toxin B Protein, His tag, E. coli

<b>Catalog Number</b>	LDG024POE
<b>Package</b>	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Clostridium difficile

#### Affinity Tag

His Tag (C-term)

#### Purity

>95% as determined by SDS-PAGE analysis.

#### Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

#### Expression System

Escherichia coli

#### Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4

#### Molecular weight

The protein has a calculated MW of 63.93 kDa. The protein migrates as 60 kDa under reducing condition (SDS-PAGE analysis).

#### Form

Lyophilized

### Background

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Clostridium difficile enterotoxin B is a protein produced by the bacterium Clostridium difficile. It plays a crucial role in the pathogenesis of C. difficile-associated diseases, particularly in causing damage to the intestinal mucosa and inducing inflammation. This toxin disrupts cellular integrity by targeting specific receptors on the host cell surface, leading to cell death and tissue damage. Understanding the mechanisms of action of this toxin is essential for developing effective treatments and vaccines against C. difficile infections.

### Uniprot ID

P18177

### Synonyms

Glucosyltransferase TcdB, toxB

### Sequence Note

Met1-Leu543

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

### Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image



SDS-PAGE analysis of recombinant toxin B.

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