

Active Native Clostridium difficile Toxin B Protein

Cat. No. TcdB-189C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Toxin B purified from Clostridium difficile.
Species	Clostridium difficile
Source	Clostridium difficile
Description	Toxin B from Clostridium difficile, also known as TcdB, is a cytotoxin that has glucosyltransferase and cysteine protease activities. It inactivates host Rho family GTPases by glucosylation, altering cytoskeletal structure, cell division, and cell-cell adhesion. Toxin B can induce activation of the inflammasome and apoptosis. While both toxin A and toxin B inactivate Rho family GTPases, toxin B more potently induces mammalian cell rounding in culture.
Bio-activity	EC50 of 1 pg/mL as tested on Vero cells.
Purity	≥90% estimated by SDS-PAGE
Storage	2-8 centigrade (as supplied)
Concentration	0.2 mg/mL
Storage Buffer	50 mM Tris, 100 mM NaCl, pH 7.5

GENE INFORMATION

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Synonyms	TcdB; Toxin B
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UniProt ID	P18177
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