

Recombinant *C. difficile* tcdB Protein

Cat. No. tcdB-007C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Clostridioides difficile tcdB protein without tag was expressed in E.coli
Species	C.difficile
Source	E.coli
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.
Purity	≥90% estimated by SDS-PAGE
Stability	≥ 2 years
Storage	2 to 8 centigrade
Concentration	0.2 mg/ml
Storage Buffer	Each vial contains 50 µg of C. difficile toxin B in 50 mM Tris, 100 mM NaCl, pH 7.5
Shipping	Room Temperature in continental US, may vary elsewhere.

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GENE INFORMATION

Gene Name	tcdB glycosylating toxin TcdB [Clostridioides difficile]
Official Symbol	tcdB
Synonyms	tcdB; glycosylating toxin TcdB; toxB; glycosylating toxin TcdB
Gene ID	31352216
UniProt ID	P18177

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