

Active Recombinant *C. difficile* toxB, His-tagged

Cat. No. toxB-12C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>C. difficile</i> toxB (Met1-Leu543), fused with a C-terminal 6-His tag, was expressed in <i>E. coli</i> .
Species	<i>C. difficile</i>
Source	<i>E. coli</i>
Protein Length	1-543 a.a.
Description	Clostridium difficile toxin B is a toxin produced by the bacteria Clostridium difficile. <i>C. difficile</i> produces two major kinds of toxins that are very potent and lethal; an enterotoxin (Toxin A) and a cytotoxin (Toxin B, this protein).
Predicted N Terminal	Ser2
Form	Supplied as a 0.2 µ filtered solution in Tris and NaCl.
Bio-activity	Measured by its ability to hydrolyze UDP-Glucose.
Molecular Mass	Predicted Molecular Mass: 64 kDa SDS-PAGE: 60-65 kDa, reducing conditions
Endotoxin	< 1.0 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.

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Storage

Avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 °C as supplied. 3 months, -20 to -70 °C under sterile conditions after opening.

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