Active Native Botulinum C3 Enzyme

Cat. No. C3-147C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product was highly purified from the supernatant of the culture of Clostridium botulinum type C by cation exchange, hydroxyapatite and gel filtration columns. This toxin ADP–ribosylates Rho and Rac, which are low-molecular weight GTP-binding proteins of animal cells, and interrupts the downstream signal transduction pathways. The molecular weight is 24kDa.
Species	Clostridium Botulinum
Source	Clostridium botulinum D bacteriophage
Form	1.33 mg/ml in 5 mM sodium phosphate buffer (pH 6.0), 50% glycerol
Bio-activity	Stimulation of human keratinocytes in culture was observed at 50 ng/ml.
Purity	More than 90 % purity by SDS-PAGE (CBB staining)
Applications	1) For the studies on the Rho-dependent signaling pathways in animal cells in vivo and in vitro. 2) ADP-ribosylation of small GTP proteins, such as Rho and Rac proteins.
Storage	Store at -20℃ (long period; -70℃)

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