

Native Bordetella pertussis Pertussis toxin

Cat. No. PT-141B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product was highly purified (>90% pure) from Bordetella pertussis strain Tohama. Cytotoxicity of the PT was confirmed by morphological alteration of CHO cells after treatment with 0.1 ng/ml of PT.
Species	Bordetella pertussis
Source	Bordetella Pertussis
Description	Pertussis toxin (PT) is a protein-based AB ₅ -type exotoxin produced by Bordetella pertussis. PT catalyzes the ADP-ribosylation of the α subunits of the heterotrimeric guanine nucleotide regulatory proteins Gi, Go, and Gt and prevents intracellular signal transduction involving the G proteins. PT consists of one molecule of each S1 (26 kDa), S2 (22 kDa), S3 (22 kDa), S5 (12 kDa) and two molecule of S4 (12 kDa).
Form	83 μ g/ml in 10% glycerol 10 mM phosphate buffer (pH 7.4), 137 mM NaCl
Applications	1. Studies on the signal transduction of the trimeric GTP binding proteins. 2. Therapeutic role in treating a number of diseases including hypertension, viral and autoimmune inhibitions.
Storage	Store at -70°C

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA