



[Go to Product page](#)

Datasheet for ABIN2452202

## Pertussis Toxin Protein (ARTC)

4 Images

1 Publication

### Overview

Quantity:	25 µg
Target:	Pertussis Toxin (ARTC)
Origin:	Bordetella pertussis
Source:	Bordetella pertussis
Protein Type:	Native
Biological Activity:	Active
Application:	Functional Studies (Func)

### Product Details

**Characteristics:** This product was highly purified (>90 % pure) from Bordetella pertussis strain Tohama by the method of Skelton & Wong. Cytotoxicity of the PT was confirmed by morphological alteration of CHO cells after treatment with 0.1 ng/mL of PT.

### Target Details

Target:	Pertussis Toxin (ARTC)
Alternative Name:	Pertussis Toxin ( <a href="#">ARTC Products</a> )

**Background:** Pertussis toxin (PT) is a protein-based AB5-type exotoxin produced by Bordetella pertussis. PT catalyzes the ADP-ribosylation of the alpha 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 molecules of S4 (12 kDa).

## Application Details

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Application Notes: 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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 83 Åµg/mL

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Buffer: 10 % glycerol, 10 mM phosphate buffer ( pH 7. 4), 137 mM NaCl

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Storage: -80 °C

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## Publications

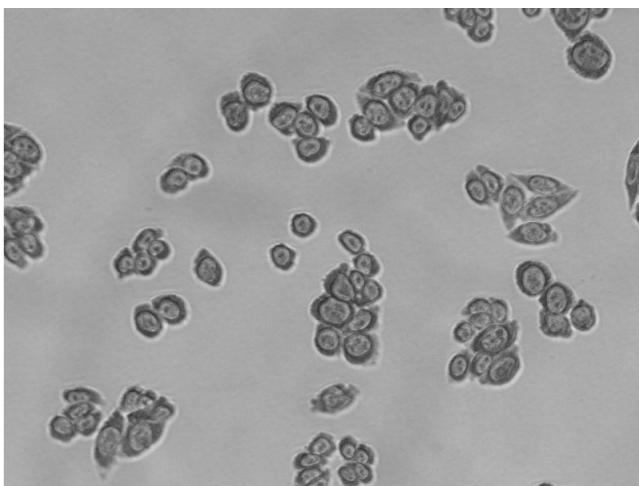
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Product cited in: Skelton, Wong: "Simple, efficient purification of filamentous hemagglutinin and pertussis toxin from *Bordetella pertussis* by hydrophobic and affinity interaction." in: **Journal of clinical microbiology**, Vol. 28, Issue 5, pp. 1062-5, (1990) ([PubMed](#)).

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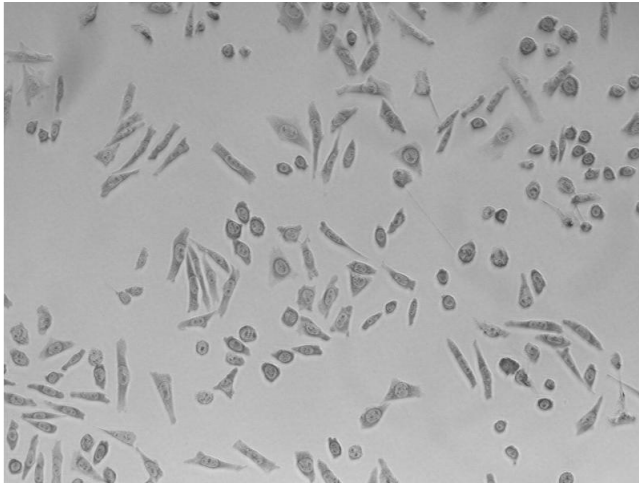
## Images

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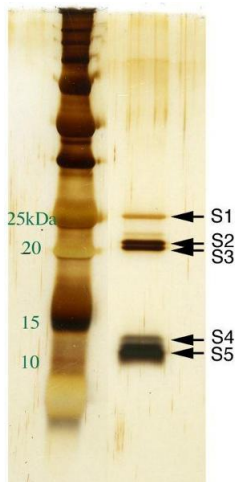
### SDS-PAGE

Image 1.



**SDS-PAGE**

**Image 2.**



**SDS-PAGE**

**Image 3.**

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2452202.