

# Certificate of analysis

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**Product Name/Description:** Alkaline Phosphatase (Shrimp)  
**Cat. #:** 2660A  
**Lot #:** Specified on product label  
**Storage Conditions:** -20 degrees C  
**Expiration Date:** Specified on product label or package

**Package Size:** 300 U

<b>Package Contents:</b>	1. Alkaline Phosphatase (Shrimp)	1 U/ $\mu$ l	300 U
	2. 10X SAP Buffer		1 ml

**Source:** Pichia pastoris that has been genetically modified with a gene coding a shrimp alkaline phosphatase

**Unit Definition:** One unit is the amount of the enzyme that produces 1  $\mu$ mol of p-nitrophenol per minute at 37°C and pH 9.8, with p-nitrophenylphosphate as the substrate.

**Quality Control Data:**

Nuclease contamination test:

Nuclease activity was not detected by agarose gel electrophoresis following the reactions below:

- 1) Incubating 1  $\mu$ g of  $\lambda$ -Hind III digest with 5 units of this product at 37°C for 1 hour at pH 7.5.
- 2) Incubating 1  $\mu$ g of 16S, 23S rRNA with 5 units of this product at 37°C for 1 hour at pH 7.5.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department of Takara Bio Inc.

**Notice To Purchaser:**

Please refer to the website.

**Product Documents, Patent Markings, Trademarks, & Safety Information:**

Refer to website for availability to download or contact your local office:

[www.takara-bio.co.jp](http://www.takara-bio.co.jp) (Japanese)

[www.takarabio.com](http://www.takarabio.com) (English)

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