

Certificate of analysis

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		
Package Contents:	1. Alkaline Phosphatase (Shrimp)	1 U/ μ 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 μ 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 μ g of λ -Hind III digest with 5 units of this product at 37°C for 1 hour at pH 7.5. 2) Incubating 1 μ g of supercoiled pBR322 DNA with 5 units of this product at 37°C for 1 hour at pH 7.5. 3) Incubating 1 μ 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 (Japanese)
www.takarabio.com (English)

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