

Certificate of analysis

Product Name/Description: Alkaline Phosphatase (Calf intestine)
Cat. #: 2250A
Lot #: Specified on product label
Storage Conditions: -20 degrees C
Expiration Date: Specified on product label or package

Package Size: 1000 U

Package Contents:

1. Alkaline Phosphatase (Calf Intestine)	30 U/ μ l	1000 U
2. 10X Alkaline Phosphatase Buffer		1 ml

Source: Yeast carrying the plasmid which encodes the gene of calf intestine alkaline phosphatase

Unit Definition: One unit of the enzyme is defined as the amount that produces 1 μ mol of p-nitrophenol from p-nitrophenylphosphate in a minute at 37°C and pH 9.8.

Quality Control Data:

Nuclease contamination test:

Nuclease activity in this product was not detected by agarose gel electrophoresis following each reactions below:

- 1) Incubating 1 μ g of λ -Hind III digest with 30 units of this product for 16 hours at 37°C.
- 2) Incubating 1 μ g of supercoiled pBR322 DNA with 30 units of this product for 1 hour at 37°C.
- 3) Incubating 1 μ g of 16S, 23S rRNA with 18 units of this product for 16 hours at 37°C.

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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