

Certificate of analysis

Product Name/Description:	Exonuclease I		
Cat. #:	2650A		
Lot #:	Specified on product label		
Storage Conditions:	-20 degrees C		
Expiration Date:	Specified on product label or package		
Package Size:	750 U		
Package Contents:	1. Exonuclease I	5 U/ μ l	750 U
	2. 10X Exonuclease I Buffer		1 ml
Source:	Escherichia coli JM109 carrying plasmids encoding the gene for E.coli exonuclease I		
Unit Definition:	One unit of the enzyme is defined as the amount that produces 10 nmol of acid-soluble products in 30 minutes at 37°C and pH 9.5, with heat-denatured calf thymus DNA 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 25 units of this product at 37°C for 16 hours at pH 7.5. 2) Incubating 1 μ g of supercoiled pBR322 with 25 units of this product at 37°C for 16 hours at pH 7.5. 3) Incubating 1 μ g of single-strand M13 mp18 DNA with 25 units of this product at 37°C for 16 hours at pH 7.5. 4) Incubating 1 μ g of 16S, 23S rRNA with 25 units of this product at 37°C for 16 hours 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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