

Certificate of analysis

Product Name/Description:	Klenow Fragment (Large Fragment E. coli DNA Polymerase I)		
Cat. #:	2140AK		
Lot #:	Specified on product label		
Storage Conditions:	-20 degrees C		
Expiration Date:	Specified on product label or package		
Package Size:	200 U		
Package Contents:	1. Klenow Fragment (Large Fragment E. coli DNA Polymerase I)	2 U/ μ l	200 U
Source:	Escherichia coli carrying the plasmid which encodes the gene of Klenow fragment		
Unit Definition:	One unit of the enzyme is defined as the amount that catalyzes the incorporation of 10 nmol of nucleotides into acid-insoluble products in 30 minutes at 37°C and pH 7.4, with poly d(A-T) as the template-primer.		
Quality Control Data:	Nuclease contamination test: Endonuclease activity was not detected, when 1 μ g of supercoiled pBR322 DNA was incubated with 10 units of this enzyme for 1 hour at 37°C and analyzed by agarose gel electrophoresis.		
	Purity: This enzyme was more than 95% homogeneous by SDS-PAGE.		

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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