

# Certificate of analysis

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<b>Product Name/Description:</b>	Klenow Fragment (Large Fragment E. coli DNA Polymerase I)		
<b>Cat. #:</b>	2140A		
<b>Lot #:</b>	Specified on product label		
<b>Storage Conditions:</b>	-20 degrees C		
<b>Expiration Date:</b>	Specified on product label or package		
<b>Package Size:</b>	200 U		
<b>Package Contents:</b>	1. Klenow Fragment (Large Fragment E. coli DNA Polymerase I)	5 U/ $\mu$ l	200 U
	2. 10X Klenow Fragment Buffer		1 ml
<b>Source:</b>	Escherichia coli carrying the plasmid which encodes the gene of Klenow fragment		
<b>Unit Definition:</b>	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.		
<b>Quality Control Data:</b>	Nuclease contamination test: Endonuclease activity was not detected, when 1 $\mu$ 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](http://www.takara-bio.co.jp) (Japanese)  
[www.takarabio.com](http://www.takarabio.com) (English)

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