

# Certificate of analysis

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**Product Name/Description:** PrimeSTAR® GXL DNA Polymerase  
**Cat. #:** R050A  
**Lot #:** Specified on product label  
**Storage Conditions:** -20 degrees C  
**Expiration Date:** Specified on product label or package

**Package Size:** 250 U

<b>Package Contents:</b>	1. PrimeSTAR GXL DNA Polymerase	1.25 U/μl	250 U	
	2. 5X PrimeSTAR GXL Buffer (Mg <sup>2+</sup> plus)		1 ml	x 2
	3. dNTP Mixture	2.5 mM each	800 μl	

**Quality Control Data:**

PCR test:

1) Good performance of this product was confirmed by PCR using human genomic DNA as a template (amplified fragments: 20, 24.1, 27, 32 kbp) according to the standard protocol in the user manual.

2) Good performance of this product was confirmed by PCR using human genomic DNA as a template (amplified fragments: 0.5, 1, 2, 3, 4, 6 kbp) according to the high-speed protocol (extension time: 10 sec.) in the user manual.

Hot start test:

Inhibition of the DNA polymerase activity by antibody was confirmed by comparing the results of PCR using reaction mixtures that had been previously heated and not heated.

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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