

# Certificate of Analysis



**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 |     |

**Product Documents:** Documents for Takara Bio products are available for download at [www.takara-bio.com](http://www.takara-bio.com)

**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 above specifications.

Manager, Quality Assurance  
TAKARA BIO INC.

**Safety Information :**

Please refer to our website for safety information :  
<http://www.takara-bio.com>

**Notice To Purchaser :**

This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals. Also, do not use this product as food, cosmetic, or household item, etc.

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