

# Certificate of Analysis



**Product Name/Description:** PrimeSTAR® GXL DNA Polymerase

**Cat. #:** R050A

**Lot #:** N2201AA

**Storage Conditions:** -20 degrees C

**Shipping Conditions:** -20 degrees C

**Expiration Date:** Specified on product label or package

**Package Size:** 250 U

**Package Contents:**

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.

**Limited Use Label License & Patent Marking:**

[ P1 ] Use of this product is covered by one or more of the following US patents and corresponding patent claims outside the US: 5,789,224, 5,618,711, 6,127,155 and claims outside the US corresponding to expired US Patent No. 5,079,352. The purchase of this product includes a limited, non-transferable immunity from suit under the foregoing patent claims for using only this amount of product for the purchaser's own internal research. No right under any other patent claim, no right to perform any patented method, and no right to perform commercial services of any kind, including without limitation reporting the results of purchaser's activities for a fee or other commercial consideration, is conveyed expressly, by implication, or by estoppel. This product is for research use only. Diagnostic uses under Roche patents require a separate license from Roche. Further information on purchasing licenses may be obtained by contacting the Director of Licensing, Applied Biosystems, 850 Lincoln Centre Drive, Foster City, California 94404, USA.

**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.

Takara products may not be resold or transferred, modified for resale or transfer, or used to manufacture commercial products without written approval from TAKARA BIO INC.

If you require licenses for other use, please contact us by phone at +81 77 565 6973 or from our website.

<http://www.takara-bio.com>

Your use of this product is also subject to compliance with any applicable licensing requirements described on the product web page.

It is your responsibility to review, understand and adhere to any restrictions imposed by such statements.

All trademarks are the property of their respective owners. Certain trademarks may not be registered in all jurisdictions.