

# Certificate of analysis

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**Product Name/Description:** Recombinant RNase Inhibitor, GPR  
**Cat. #:** 2314A  
**Lot #:** Specified on product label  
**Storage Conditions:** -20 degrees C  
**Expiration Date:** Specified on product label or package

**Package Size:** 5000 U

**Package Contents:** 1. Recombinant RNase Inhibitor, GPR 40 U/μl 5000 U

**Quality Control Data:**

Test Items	Specifications	Results
Purity (Microfluidic chip analysis)	> 95%	Passed
Purity (SDS-PAGE)	A single band with a molecular mass of 50 kDa	Passed
Exonucleases	No observable degradation*1	Passed
Endonuclease/Nicking activities	No observable relaxation of supercoiled DNA*2	Passed
Ribonucleases	No observable degradation*3	Passed

\*1. Absence of Exonucleases : No observable degradation of 1 μg of λDNA/Hind III fragments after incubation for 1 hour at 37 degrees C in the presence of 300 units of enzyme.

\*2. Absence of Endonuclease/Nicking Activities : No observable endonuclease/nicking activities of 1 μg of supercoiled DNA after incubation for 1 hour at 37 degrees C in the presence of 300 units of enzyme.

\*3. Absence of Ribonucleases : No observable degradation of 1 μg of RNA after incubation for 1 hour at 37 degrees C in the presence of 100 units of enzyme.

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:**

This product is a general purpose reagent intended For Laboratory Use. Outside of the United States, this product is intended for research use only unless otherwise stated. This product is not intended for a specific application or made for any particular clinical use. The performance characteristics of this product have not been fully established. It is the user's responsibility to validate the performance of the product, and any component thereof, for any particular use. Resale or transfer of this product, any component thereof, or any substance produced through use of this product, or any component thereof, to any third party is expressly forbidden. To obtain additional rights, please contact your local office or go to our website for additional information.

**Product Documents, Patent Markings, Trademarks, & Safety Information:**

Referenced below, or available to download from the website or by contacting 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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