

Certificate of analysis

Product Name/Description: Recombinant RNase Inhibitor
Cat. #: 2313A
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 40 U/μl 5000 U

Source: E. coli carrying the plasmid which encodes the gene of ribonuclease inhibitor from porcine liver

Unit Definition: One unit of the inhibitor is defined as the amount that inhibits 50% of RNase A activity, when cyclic 2', 3'-CMP is used as the substrate for 5 ng of RNase A.

Quality Control Data:

Nuclease contamination test:

Nuclease activity was not detected by agarose gel electrophoresis following the reactions below:

- 1) Incubating 1 μg of λ-Hind III digest with 300 units of this product for 1 hour at 37°C.
- 2) Incubating 1 μg of supercoiled pBR322 DNA with 300 units of this product for 1 hour at 37°C.
- 3) Incubating 1 μg of 16S, 23S rRNA with 100 units of this product for 1 hour at 37°C.

Purity test:

This inhibitor showed a single band with a molecular mass of 50 kDa 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 (Japanese)
www.takarabio.com (English)

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