

Certificate of analysis

Product Name/Description: Ribonuclease H (RNase H)
Cat. #: 2150A
Lot #: Specified on product label
Storage Conditions: -20 degrees C
Expiration Date: Specified on product label or package

Package Size: 1000 U

Package Contents: 1. RNase H 60 U/μl 1000 U

Source: Escherichia coli HB101 carrying mh plasmid (pKH11) and regulator plasmid (pNT203)

Unit Definition: One unit of the enzyme is defined as the amount that produces 1 nmol of acid-soluble fragment in 20 minutes at 30°C (pH 7.7), with poly (rA)•poly (dT) as the substrate.

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 50 units of this product for 16 hours at 37°C.
- 2) Incubating 1 μg of supercoiled pBR322 DNA with 50 units of this product for 1 hour at 37°C.
- 3) Incubating 1 μg of 16S, 23S rRNA with 50 units of this product for 1 hour at 37°C.

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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