Certificate of analysis

Product Name/Description:	Nru I
Cat. #:	1168A
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. Nru I	10 U/µl	1000 U
2. 10X Nru I Buffer		1 ml
3. 0.1% BSA		1 ml
4. 10X Loading Buffer		1 ml

Source: Nocardia rubra

Quality Control Data:

Overdigestion test:
Nonspecific nuclease activity was not detected after incubating 1 µg of λDNA 20 units of this enzyme in 50 µl of the supplied buffer overnight at 37°C, as assessed by agarose gel electrophoresis.

Ligation-Recutting test:
After 10-fold overdigestion with this enzyme, the DNA fragments could be ligated with T4 DNA ligase and recut with this enzyme.
Ligation: 95% , Recutting: 95%

Genomic DNA Digest:
Staphylococcus aureus chromosomal DNA (0.5 µg) embedded in a 0.5% agarose gel block was digested with 50 units of this enzyme in 100 µl of the supplied buffer overnight at 37°C. The expected profile was confirmed by pulsed-field gel electrophoresis.

Labeled oligonucleotide assay (LOA) test:
The degradation rate of oligonucleotides was less than 10% during incubation with 6 U of this enzyme for 1 hour in 10 µl of the supplied buffer.

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)

Licence Statements:

Please visit our website and click the "license" button on the product's web page.

©2018 Takara Bio Inc. All Rights Reserved.
All trademarks are the property of Takara Bio Inc. or its affiliate(s) in the U.S. and/or other countries or their respective owners. Certain trademarks may not be registered in all jurisdictions.