

# Certificate of analysis

---

|                                  |                                       |               |        |
|----------------------------------|---------------------------------------|---------------|--------|
| <b>Product Name/Description:</b> | Xho I                                 |               |        |
| <b>Cat. #:</b>                   | 1094A                                 |               |        |
| <b>Lot #:</b>                    | Specified on product label            |               |        |
| <b>Storage Conditions:</b>       | -20 degrees C                         |               |        |
| <b>Expiration Date:</b>          | Specified on product label or package |               |        |
| <b>Package Size:</b>             | 5000 U                                |               |        |
| <b>Package Contents:</b>         | 1. Xho I                              | 10 U/ $\mu$ l | 5000 U |
|                                  | 2. 10X H Buffer                       |               | 1 ml   |
|                                  | 3. 10X Loading Buffer                 |               | 1 ml   |

**Source:** Escherichia coli carrying the plasmid encoding Xho I gene

**Quality Control Data:****Overdigestion test:**

Nonspecific nuclease activity was not detected after incubating 1  $\mu$ g of  $\lambda$ -Hind III digest with 15 units of this enzyme in 50  $\mu$ l 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: 100%

**Genomic DNA Digest:**

Escherichia coli chromosomal DNA (0.5  $\mu$ g) embedded in a 0.5% agarose gel block was digested with 30 units of this enzyme in 100  $\mu$ l 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  $\mu$ l 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](http://www.takara-bio.co.jp) (Japanese)  
[www.takarabio.com](http://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.