

# Certificate of analysis

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**Product Name/Description:** SnaB I  
**Cat. #:** 1245A  
**Lot #:** Specified on product label  
**Storage Conditions:** -20 degrees C  
**Expiration Date:** Specified on product label or package

**Package Size:** 200 U

|                          |                       |         |       |
|--------------------------|-----------------------|---------|-------|
| <b>Package Contents:</b> | 1. SnaB I             | 10 U/μl | 200 U |
|                          | 2. 10X SnaB I Buffer  |         | 1 ml  |
|                          | 3. 0.1% BSA           |         | 1 ml  |
|                          | 4. 10X Loading Buffer |         | 1 ml  |

**Source:** Sphaerotilus natans

## Quality Control Data:

### Overdigestion test:

Nonspecific nuclease activity was not detected after incubating 1 μg of λDNA with 12 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: 90% , Recutting: >95%

### Genomic DNA Digest:

Arthrobacter luteus chromosomal DNA (0.5 μg) embedded in a 0.5% agarose gel block was digested with 30 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](http://www.takara-bio.co.jp) (Japanese)  
[www.takarabio.com](http://www.takarabio.com) (English)

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