

# Certificate of analysis

---

**Product Name/Description:** Pvu I  
**Cat. #:** 1242A  
**Lot #:** Specified on product label  
**Storage Conditions:** -20 degrees C  
**Expiration Date:** Specified on product label or package

**Package Size:** 400 U

<b>Package Contents:</b>	1. Pvu I	10 U/μl	400 U
	2. 10X K Buffer		1 ml
	3. 0.1% BSA		1 ml
	4. 10X Loading Buffer		1 ml

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

**Quality Control Data:**

Overdigestion test:

Nonspecific nuclease activity was not detected after incubating 1 μg of λ-BamH I digest with 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: 100%

Genomic DNA Digest:

Flavobacterium okeanokoites 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.

Exonuclease contamination test:

After incubation of 1 μg of substrate with 6 U of this enzyme for 1 hour, specific DNA fragments were ligated with T4 DNA ligase, and no exonuclease activity was detected.

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.