

Certificate of analysis

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|----------------------------------|---------------------------------------|---------------|-------|
| 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 | | |
| Package Contents: | 1. Pvu I | 10 U/ μ l | 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 μ g of λ -BamH I digest with 20 units of this enzyme in 50 μ 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:

Flavobacterium okeanoikoites chromosomal DNA (0.5 μ g) embedded in a 0.5% agarose gel block was digested with 50 units of this enzyme in 100 μ 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 μ 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 (Japanese)
www.takarabio.com (English)

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