

Certificate of analysis

Product Name/Description: Bpu1102 I (Esp I)
Cat. #: 1023A
Lot #: Specified on product label
Storage Conditions: -20 degrees C
Expiration Date: Specified on product label or package

Package Size: 150 U

Package Contents:	1. Bpu1102 I	10 U/ μ l	150 U
	2. 10X Bpu1102 I Buffer		1 ml
	3. 0.1% BSA		1 ml
	4. 10X Loading Buffer		1 ml

Source: Bacillus pumilus

Quality Control Data:

Overdigestion test:

Nonspecific nuclease activity was not detected after incubating 1 μ g of λ DNA with 10 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: 90% , Recutting: 100%

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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