

Certificate of analysis

Product Name/Description: Sfi I
Cat. #: 1244A
Lot #: Specified on product label
Storage Conditions: -20 degrees C
Expiration Date: Specified on product label or package

Package Size: 1000 U

Package Contents:	1. Sfi I	10 U/ μ l	1000 U
	2. 10X M Buffer		1 ml
	3. 10X Loading Buffer		1 ml

Source: Streptomyces fimbriatus

Quality Control Data:

Overdigestion test:

Nonspecific nuclease activity was not detected after incubating 1 μ g of pADSL2-Eco81 I digest with 15 units of this enzyme in 50 μ l of the supplied buffer overnight at 50°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%

Genomic DNA Digest:

Escherichia coli chromosomal DNA (0.5 μ g) embedded in a 0.5% agarose gel block was digested with 100 units of this enzyme in 100 μ l of the supplied buffer overnight at 50°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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