

Certificate of analysis

Product Name/Description:	Sal I		
Cat. #:	1080A		
Lot #:	Specified on product label		
Storage Conditions:	-20 degrees C		
Expiration Date:	Specified on product label or package		
Package Size:	3000 U		
Package Contents:	1. Sal I	15 U/ μ l	3000 U
	2. 10X H Buffer		1 ml
	3. 10X Loading Buffer		1 ml

Source: Escherichia coli carrying the plasmid encoding Sal I gene

Quality Control Data:

Overdigestion test:

Nonspecific nuclease activity was not detected after incubating 1 μ g of λ -Hind III digest with 15 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:

Staphylococcus aureus chromosomal DNA (0.5 μ g) embedded in a 0.5% agarose gel block was digested with 150 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:
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www.takarabio.com (English)

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