

Certificate of analysis

Product Name/Description:	Nco I		
Cat. #:	1160A		
Lot #:	Specified on product label		
Storage Conditions:	-20 degrees C		
Expiration Date:	Specified on product label or package		
Package Size:	500 U		
Package Contents:	1. Nco I	10 U/ μ l	500 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 Nco I gene

Quality Control Data:**Overdigestion test:**

Nonspecific nuclease activity was not detected after incubating 1 μ g of λ DNA 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%

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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