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NcoI

Store at -20°C

Cat. No.	Description	Concentration	Quantity
E055	NcoI	20000 U/ml	10000 U (500 µl)

Product Description

The NcoI enzyme recognizes and cuts the sequence C[^]ATGG. For restriction enzyme digestion of double-stranded DNA.

Recognition Sequence

5'...**C**ATGG...3'
3'...GGTACC...5'
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Methylation Sensitivity

dam methylation: Not sensitive
dcm methylation: Not sensitive
CpG methylation: Not sensitive

Kit Components

Part No.	Product Components	Quantity
E055	NcoI (20000 U/ml)	500 µl
E204	10X Universal Restriction Enzyme Reaction Buffer	2 x 1.25 ml

Product Source

An *E. coli* strain that carries the modified NcoI gene from *Nocardia carolina* (ATCC 19070).

Enzyme Storage Buffer

10 mM Tris-HCl (pH 7.5), 200 mM NaCl, 1 mM DTT, 0.1 mM EDTA, and 50% (v/v) Glycerol.

Enzyme Unit Definition

One unit is defined as the amount of restriction enzyme needed to digest 1 µg of λ DNA in 1 hour at 37°C in a reaction volume of 50 µl.

Storage Conditions

Store all components at -20°C. Avoid repeated freeze-thaw cycles of all components to retain maximum performance. All components are stable for 1 year from the date of shipping when stored and handled properly.

Reaction Conditions

1X Universal Restriction Enzyme Reaction Buffer (Cat. E204) and incubate at 37°C.

Reaction Buffer Compatibility

Buffer 1: 50%, Buffer 2: 100%, Buffer 3: 10%, **Universal Buffer: 100%**

Heat Inactivation

80°C for 20 min