



For research use only

ISO9001

Nt.BstNB I

Product	Quantity	Cat. No.	Remarks
Nt.BstNB I	500 unit	EBR-1301	5 unit/ μ l

Description

Nt.BstNB I is a nick endonuclease which cleaves only one strand at the 3' (N4) of specific sequence as follows:



Source

Recombinant gene from *Bacillus stearothermophilus* is expressed in *E.coli*.

Application

- DNA nicking
- DNA recombination

Reaction Condition

1X reaction buffer, incubate at 55°C.

10x Reaction Buffer

500 mM Tris-HCl (pH 7.9), 1 M NaCl, 100 mM MgCl₂, 1 mg/ml BSA

Storage Buffer

10 mM Tris-HCl (pH 7.4), 50 mM KCl, 0.1 mM EDTA, 1 mM DTT, 200 μ g/ml BSA, 50% Glycerol

Unit Definition

One unit is defined as the amount of enzyme required to convert 1 μ g of supercoiled DNA to open circular form in 1 hour at 37°C in a total reaction volume of 50 μ l.

Heat Inactivation

80°C for 20 min

QC Tests

Activity, exo and endonuclease activity test, SDS-PAGE purity, performance tests.



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