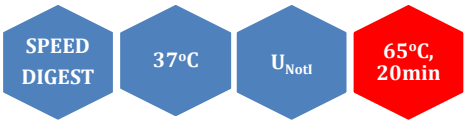
Not I



5' ···GC▼GGCCGC···3'
3' ···CGCCGG▲CG···5'

NotI is a restriction enzyme purified from *Nocardia otitidis-caviarum*.

Catalogue No	*124-1, 500 U* *124-2, 3x500 U*
Concentration	*10-12u/µl and 40-60u/µl**

**Add an H to cat.# to order the high concentration*

Reagents supplied: 10x U_{NotI} buffer

Unit substrate: Adenovirus-2 DNA.

Unit calculation assay conditions: 100 mM NaCl, 50 mM Tris-HCl (pH 7.9 @ 25°C), 5 mM $MgCl_2$, 1 mM dithiothreitol, 100 µg/ml BSA. Incubate at 37°C.

Absence of contaminants: 80 units of *Not* I do not produce any unspecific cleavage products after 16 hrs incubation with 1 µg of Adeno-2 DNA at 37°C. After 30-fold overdigestion with *Not* I, greater than 98% of the DNA fragments can be ligated and recut with this enzyme.

Storage buffer: 500 mM KCl, 10 mM Tris-HCl (pH 7.4), 0.1 mM EDTA, 1mM dithiothreitol, 0.1% Triton X-100, 500 µg/ml BSA and 50% glycerol. Store at -20°C.

Heat inactivation: 65°C for 20 minutes.

Methylation Sensitivity:
dam methylation: Not sensitive
dcm methylation: Not sensitive
CpG methylation: Blocked

Note: Supercoiled plasmids may require up to 5-fold more *Not* I for complete digestion than linear DNAs.

Percent Activity in MINOTECH Buffers

L	M	H	SH	A	K
<10	25-50	75-100	75	50	50

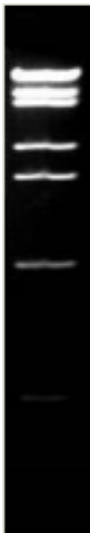
General reaction mixture:

10U	1µl
10x U_{NotI} buffer *	2µl
DNA substrate	<1µg
Sterile ultrapure water	Up to 20 µl
Incubate for 15 min at 37°C	

**We recommend the addition of BSA to a final concentration of 100 µg/ml.*

Frequency of Cutting

λ	Ad-2	Φx174	pUC18	M13mp18	pBR322
0	7	0	0	0	0



Ad2 DNA 0.7 % agarose

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