

Data Sheet (28.11.2007)

Not I

5' ...GCGGCCGC...3'
3' ...CGCCGGCG...5'

Source: *Nocardia otitidis-caviarum*

Cat.-No.	Size	Conc.
mi-E0124S	300 units	10 u/μl
mi-E0124L	1,500 units	10 u/μl

Buffer supplied: 10x Not I (incl. BSA)

BSA is now already included into the buffer without any loss of performance!

Substrate for unit definition:

Adenovirus-2 DNA (7 sites)

Reaction conditions:

100 mM NaCl, 50 mM Tris-HCl (pH 7.9), 5 mM MgCl₂, 1 mM DTT, 100 μg/ml BSA. Incubate at **37 °C**.

Storage buffer:

500 mM KCl, 10 mM Tris-HCl (pH 7.4), 1 mM DTT, 0.1 mM EDTA, 0.1 % Triton X-100, 500 μg/ml BSA, and 50 % glycerol. Store at -20 °C. Avoid warming to 0 °C or higher.

Under these storage conditions, a guarantee of 12 months after delivery is given.

Ligation and recutting:

After 25-fold overdigestion with *Not I*, > 98 % of the DNA fragments can be ligated and recut with this enzyme.

Note:

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

Heat inactivation: 65 °C for 20 minutes