

Data Sheet (18.06.2010)

Nru I

5' ...TCGCGA...3'
3' ...AGCGCT...5'

Source: *Nocardia rubra*

Cat.-No.	Size	Conc.
mi-E0125S	700 units	10 u/μl
mi-E0125L	3,500 units	10 u/μl

Buffer supplied: 10x Nru I (incl. BSA)

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

Substrate for unit definition: λ DNA (5 sites)

Reaction conditions:

100 mM KCl, 50 mM Tris-HCl (pH 8.0), 10 mM MgCl₂,
100 μg/ml BSA.

Incubate at **37 °C**.

Storage buffer:

50 mM KCl, 10 mM Tris-HCl (pH 7.4), 0.1 mM EDTA, 1
mM dithiothreitol, 200 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 10-fold overdigestion with Nru I, < 20% of the DNA fragments can be ligated.

Star activity:

Large excess of the enzyme results in the appearance of star activity.

Heat inactivation: 65 °C for 20 minutes

Note:

Blocked by overlapping *dam* methylation