

Data Sheet (28.11.2007)

Rsa I

5' ...GTAC...3'
3' ...CATG...5'

Source: *Rhodopseudomonas sphaeroides*

Cat.-No.	Size	Conc.
mi-E0129S	1,000 units	10 u/μl
mi-E0129L	5,000 units	10 u/μl

Buffer supplied: 10x B2 (incl. BSA)

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

Substrate for unit definition: λ DNA (113 sites)

Reaction conditions:

50 mM NaCl, 10 mM Tris-HCl (pH 7.9), 10 mM MgCl₂, 1 mM dithiothreitol, 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.

Ligation and recutting:

After 10-fold overdigestion with *Rsa* I, > 95 % of the DNA fragments can be ligated and recut with this enzyme.

Heat inactivation: 65 °C for 20 minutes