

Rsa I



Source: *Rhodopseudomonas sphaeroides*.

Cat.-No.	Size	Conc.
EN-129	25,000 units	10 u/μl

Buffer supplied: 10x B2 and 10x BSA.

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. Store at -20°C.

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.