

Data Sheet (28.11.2007)

Sst I

5' ...GAGCTC...3'
3' ...CTCGAG...5'

(Sac I)

Source: *Streptomyces Stanford*

Cat.-No.	Size	Conc.
mi-E0140S	1,600 units	10 u/μl
mi-E0140L	8,000 units	10 u/μl

Buffer supplied: 10x B1 (incl. BSA)

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

Substrate for unit definition:

λ DNA, *Hind* III (2 sites)

Reaction conditions:

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 NaCl, 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 Sst I, >95 % of the DNA fragments can be ligated and recut with this enzyme.

Heat inactivation: 65 °C for 20 minutes