



Data Sheet (18.08.2010)

SgrB I 5' ...**CCGCGG**...3'
 3' ...**GGCGCC**...5'

(Sac II)

Source: *Streptomyces griseus*.

Cat.-No.	Size	Conc.
mi-E0133S	1,600 units	10 u/μl
mi-E0133L	8,000 units	10 u/μl

Buffer supplied: 10x B1* and I (incl. BSA)

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

Substrate for unit definition:

λ DNA, *Hind* III digest (4 sites)

Reaction conditions:

10 mM Tris-HCl (pH 7.9), 10 mM MgCl₂, 1 mM dithiothreitol, 0.1 % Triton X-100, 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. 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 *SgrB* I, > 98 % of the DNA fragments can be ligated and recut with this enzyme.

Note:

Particular sites in λ and φX174 DNAs are difficult to cleave with *SgrB* I, as well as with its prototype *Sac* II.

Heat inactivation: 65 °C for 20 minutes

Note: Blocked by overlapping *dcm* methylation.