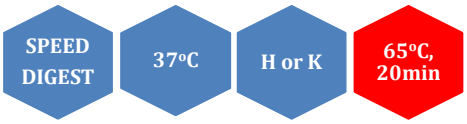
SseB I (Stu I isoschizomer)



5’ ···AGG▼CCT···3’
3’ ···TCC▲GGA···5’

SseBI is a restriction enzyme purified from *Streptomyces* species.

Catalogue No	*138-1, 2000 U* *138-2, 3x2000 U*
Concentration	*10-12u/µl and 40-60u/µl**

**Add an H to cat.# to order the high concentration*

Reagents supplied: 10x H and 10x K buffer

Unit substrate: Lambda DNA (HindIII digest).

Unit calculation assay conditions: 100 mM NaCl, 50 mM Tris-HCl (pH 7.9 @ 25°C), 10 mM MgCl2, 1 mM dithiothreitol, 100 µg/ml BSA and DNA. Incubate at 37°C.

Absence of contaminants: 150 units of *Sse*BI do not produce any unspecific cleavage products after 16 hrs incubation with 1 µg of λ DNA/*Hind* III digest at 37°C. After 50-fold overdigestion with *Sse*BI, greater than 95% of the DNA fragments can be ligated and recut with this enzyme.

Storage buffer: 50 mM KCl, 10 mM Tris-HCl (pH 7.9 @ 25°C), 0.1 mM EDTA, 1 mM dithiothreitol, 200 µg/ml BSA and 50% glycerol. Store at -20°C.

Heat inactivation: 65°C for 20 minutes.

Methylation Sensitivity:
dam methylation: Not sensitive
dcm methylation: Blocked by overlapping
CpG methylation: Not sensitive

Reference: Rina, M., Tzanodaskalaki, M., Karagouni, A., Pagomenou, M. and Bouriotis, V. (1992) Nucleic Acids Res. 20, 1808.

Percent Activity in MINOTECH Buffers

L	M	**H**	SH	A	**K**
50-75	75-100	**100**	50-75	50	**100**

General reaction mixture:

10U SseBI	1µl
10x H or K buffer *	2µl
DNA substrate	<1µg
Sterile ultrapure water	Up to 20 µl

Incubate for 15 min at 37°C

**In the case of H buffer we recommend the addition of BSA to a final concentration of 100 µg/ml.*

Frequency of Cutting

λ	Ad-2	Φx174	pUC18	M13mp18	pBR322
6	11	1	0	0	0

Lambda DNA 0.7 % agarose

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