Data Sheet (28.11.2007)

*Bam*H I

5′...GGATCC...3′
3′...CCTAGG...5′

Source: *Bacillus amyloliquefaciens H.*

Cat.-No.	Size	Conc.
mi-E0103S	7,500 units	10 u/µl
mi-E0103L	37,500 units	10 u/µl

Buffer supplied: 10x *Bam*H I (incl. BSA)
BSA is now already included into the buffer without any loss of performance!

Substrate for unit definition: λ DNA (5 sites)

Reaction conditions:
100 mM NaCl, 10 mM Tris-HCl (pH 7.9), 5 mM $MgCl_2$, 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. Avoid warming to 0 °C or higher.
Under these storage conditions, a guarantee of 12 months after delivery is given.

Ligation and recutting:
After 50-fold overdigestion with *Bam*H I, >95 % of the DNA fragments can be ligated and recut with this enzyme.

Star activity:
Conditions of low ionic strength, high enzyme concentration, glycerol concentration >5 %, or pH >8.0 may result in star activity.

Heat inactivation: 80 °C for 20 minutes

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