Data sheet

*Bam*H I

5’…G▼GATCC…3’
3’…CCTAG▲G…5’

Source: *Bacillus amyloliquefaciens H.*

Cat.-No.	Size	Conc.
EN-103	250,000 units	10 u/µl

Buffer supplied: 10x *Bam*H I and 10x BSA.

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.

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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