

Mbo I

(isoschizomer)



Source: A *Streptomyces* sp. strain that carries the cloned *Mbo* I gene from *Moraxella bovis*.

Cat.-No.	Size	Conc.
EN-120S	300 units	10 u/μl
EN-120L	1,500 units	10 u/μl

Buffer supplied: 10x *Mbo* I and 10x BSA.

Substrate for unit definition: λ DNA *dam*⁻ (116 sites).

Reaction conditions:

100 mM KCl, 10 mM Tris-HCl (pH 8.0), 10 mM MgCl₂, 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 10-fold overdigestion with *Mbo* I, >95% of the DNA fragments can be ligated and recut with this enzyme.

Heat inactivation: 65°C for 20 minutes.

Note: Blocked by overlapping *dam* methylation.

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