Creative Enzymes®
Molecular Tools

Mlu I

Product Information

Cat
ET-1133RE
Recognition Sequence
A↑CGCGT TGCGC↓A
Unit Definition
One unit of the enzyme is the amount required to hydrolyze 1 μg of Lambda DNA in 1 hour at 37°C in a total reaction volume of 50 μl.
Reaction Temperature
37°C
Form
Liquid
Storage Buffer
10 mM Tris-HCl (pH 7.5); 100 mM NaCl; 0.1 mM EDTA; 7 mM 2-mercaptoethanol; 200 μg/ml BSA; 50% glycerol
Ligation
After 20-fold overdigestion with enzyme 95% of the DNA fragments can be ligated and recut.
Source
Micrococcus luteus
Assayed on
Lambda DNA
Working buffer
O (50 mM Tris-HCl (pH 7.6 at 25°C); 10 mM MgCl2; 100 mM NaCl; 1 mM DTT.)

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B	G	O	W	Y	Rose
0 - 10	10 - 25	100	25 - 50	10 - 25	50

Non-specific hydrolisis

No nonspecific activity was detected after incubation of 1 μg of Lambda DNA with 40 u.a. of enzyme for 16 hours at 37°C.

Size

1000U; 5000U

Concentration, u.a./ml

20000

Inactivation

20min Under 65°C

Reagents Supplied

10 X SE-buffer O.

Storage

-20°C

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