Creative Enzymes®
Molecular Tools

Pce I

Product Information

Cat
ET-1144RE
Recognition Sequence
AGG↑CCT TCC↓GGA
Unit Definition
One unit of the enzyme is the amount required to hydrolyze 1 μg of Lambda DNA in 1 hour at 50°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; 100 μg/ml BSA; 50% glycerol
Ligation
After 20-fold overdigestion with enzyme 70% of the DNA fragments can be ligated and recut
Source
Planococcus citreus
Assayed on
Lambda DNA
Working buffer
Y (33 mM Tris-acetate (pH 7.9 at 25°C); 10 mM magnesium acetate; 66 mM potassium acetate; 1 mM DTT.)

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B	G	O	W	Y	Rose
75 - 100	75 - 100	50 - 75	25 - 50	100	100

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 50°C.

Size

1000U; 5000U

Concentration, u.a./ml

20000

Inactivation

20min Under 65°C

Reagents Supplied

10 X SE-buffer Y.

Storage

-20°C

Notes

At 37°C activity is 50-75% from maximum

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