Creative Enzymes®
Molecular Tools

AspS9 I

Product Information

Cat
ET-1026RE
Recognition Sequence
G↑GNCC CCNG↓G
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); 50 mM KCl; 0.1 mM EDTA; 7 mM 2-mercaptoethanol; 200 μg/ml BSA; 50% glycerol
Ligation
After 20-fold overdigestion with enzyme more than 90% of the DNA fragments can be ligated and recut.
Source
Arthrobacter species S9
Assayed on
Lambda DNA
Working buffer
W (10 mM Tris-HCl (pH 8.5 at 25°C); 10 mM MgCl2; 100 mM NaCl; 1 mM DTT.)

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

Non-specific hydrolisis

No nonspecific activity was detected after incubation of 1 μg of Lambda DNA with 30 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 W

Storage

-20°C

Notes

Bloked by overlapping Dcm methylation(CmCWGG): GGNCCWGG

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