Creative Enzymes®
Molecular Tools

Hind II

Product Information

Cat
ET-1118RE
Recognition Sequence
GTY↑RAC CAR↓YTG
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); 200 mM NaCl; 0.1 mM EDTA; 1 mM DTT; 200 μg/ml BSA; 50% glycerol.
Ligation
After 10-fold overdigestion with enzyme 60% of the DNA fragments can be ligated and recut. In the presence of 10%PEG ligation is better.
Source
An E.coli strain, that carries the cloned gene HindII from Haemophilus influenzae
Assayed on
Lambda DNA
Working buffer
G (10 mM Tris-HCl (pH 7.6 at 25°C); 10 mM MgCl2; 50 mM NaCl; 1 mM DTT.) + BSA

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

Non-specific hydrolisis

No nonspecific activity was detected after incubation of 1 μg of Lambda DNA with 20 u.a. of enzyme for 16 hours at 37°C.

Size

1000U; 5000U

Concentration, u.a./ml

10000

Inactivation

20min Under 65°C

Reagents Supplied

10 X SE-buffer G, BSA.

Storage

-20°C

Notes

To obtain 100% activity, BSA should be added to the 1 x reaction mix to a final concentration of 100 μg/ml.
Do not use BSA for long incubation.

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