Creative Enzymes®
Molecular Tools

Hga I

Product Information

Cat
ET-1117RE
Recognition Sequence
GACGC(N)5↑ CTGCG(N)10↓
Unit Definition
One unit of the enzyme is the amount required to hydrolyze 1 μg of DNA pBR322 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 NaCl; 0.1 mM EDTA; 1 mM DTT; 200 μg/ml BSA; 50% glycerol
Ligation
After 3-fold overdigestion with enzyme more than 90% of the DNA fragments can be ligated and recut.
Source
An E.coli strain that carries the cloned HgaI gene from Haemophilus gallinarum
Assayed on
DNA pBR322
Working buffer
B (10 mM Tris-HCl (pH 7.6 at 25°C); 10 mM MgCl2; 1 mM DTT.)

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B	G	O	W	Y	Rose
100	75 - 100	10 - 25	25 - 50	50 - 75	50

Non-specific hydrolisis
Incubation with > 2 units of HgaI per 1 µg of DNA and digestion > 1 hour are not recommended.
Size
50U; 250U
Concentration, u.a./ml
1000
Inactivation
20min Under 65°C
Methylation sensitivity
Blocked by CG methylation.
Reagents Supplied
10 X SE-buffer B
Storage
-20°C

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