



For research use only

ISO9001

Dra III

Product	Quantity	Cat. No.	Remarks
Dra III	2,500 unit	EBR-1051	10 unit/μl

Recognition site

5' ...CAC NNN GTG... 3'
 3' ...GTG NNN CAC... 5'

Source*Deinococcus radiophilus*.**Reaction Conditions**Buffer 3 + BSA. 50 mM Tris-HCl (pH 7.9), 100 mM NaCl, 10 mM MgCl₂, 1 mM DTT.

Supplement with 100 μg/ml BSA. Incubate at 37°C.

Concentration & Storage Condition

Store at -20°C. 10 unit/μl in 20 mM Tris-HCl (pH 7.4), 300 mM NaCl, 1 mM DTT, 0.1 mM EDTA, 200 μg/ml BSA, 50% (v/v) glycerol.

Heat Inactivation Condition

65°C for 20min.

Enzyme dilution

Dilute with Storage Buffer.

QC Tests

Activity, ligation and recutting, exo and endonuclease activity test, SDS-PAGE purity, performance tests.

Methylase Sensitivity

Impaired by overlapping CpG methylation.

Note

Low salt, high glycerol (>5%) concentrations, pH > 8.0 or large excess of enzyme may result in star activity.

Buf3	37°C	65°C	CpG	
BUFFER	REACTION	INACTIVATION	METHYL BLOCK	BLUE/WHITE

Buffer	1	2	3	4
Activity	100	75	100	25



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