

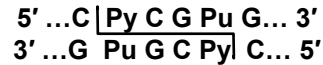


For research use only

ISO9001

Ava I

| Product | Quantity | Cat. No. | Remarks |
|---------|------------|----------|----------------|
| Ava I | 2,500 unit | EBR-1019 | 10 unit/ μ |

Recognition site**Source***Anabaena variabilis*.**Reaction Conditions**

Buffer 4. 20 mM Tris-acetate (pH 7.9), 50 mM potassium acetate, 10 mM magnesium acetate, 1 mM DTT. Incubate at 37°C.

Concentration & Storage Condition

Store at -20°C. 10 unit/ μ l in 10 mM Tris-HCl (pH 7.5), 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, 200 μ g/ml BSA, 50% (v/v) glycerol.

Heat Inactivation Condition

80°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

Blocked by CpG methylation (Cleavage of mammalian genomic DNA is blocked).

| | | | | |
|-----------------------|-------------------------|-----------------------------|-----------------------------|---------------------------|
| Buf4 | 37°C | 80°C | CpG | BW |
| <small>BUFFER</small> | <small>REACTION</small> | <small>INACTIVATION</small> | <small>METHYL BLOCK</small> | <small>BLUE/WHITE</small> |

| | | | | |
|-----------------|----|----|----|-----|
| Buffer | 1 | 2 | 3 | 4 |
| Activity | 10 | 75 | 10 | 100 |

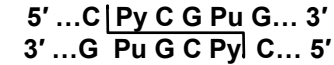


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