

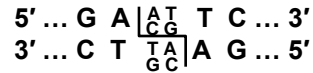


For research use only

ISO9001

**Acc I**

Product	Quantity	Cat. No.	Remarks
Acc I	250 unit	EBR-1003	5 unit/μl

**Recognition site****Source***Acinetobacter calcoaceticus.***Reaction Conditions**

Buffer 4. 20 mM Tris-acetate (pH7.9), 50 mM potassium acetate, 10 mM magnesium acetate, 1 mM DTT. Incubate at 37°C.

**Concentration & Storage Condition**

Store at -20°C. 5 unit/μl in 10 mM Tris-HCl (pH 7.5), 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, 200 μg/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 overlapping CpG methylation (Cleavage of mammalian genomic DNA is blocked).

**Note**

Acc I requires at least 13 base pairs beyond the end of its recognition sequence to cleave efficiently.

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

<b>Buffer</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Activity</b>	50	50	10	100



For research use only

ISO9001

**Acc I**

Product	Quantity	Cat. No.	Remarks
Acc I	250 unit	EBR-1003	5 unit/μl

**Recognition site****Source***Acinetobacter calcoaceticus.***Reaction Conditions**

Buffer 4. 20 mM Tris-acetate (pH7.9), 50 mM potassium acetate, 10 mM magnesium acetate, 1 mM DTT. Incubate at 37°C.

**Concentration & Storage Condition**

Store at -20°C. 5 unit/μl in 10 mM Tris-HCl (pH 7.5), 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, 200 μg/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 overlapping CpG methylation (Cleavage of mammalian genomic DNA is blocked).

**Note**

Acc I requires at least 13 base pairs beyond the end of its recognition sequence to cleave efficiently.

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

<b>Buffer</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Activity</b>	50	50	10	100