



For research use only

ISO9001

Ava II

Product	Quantity	Cat. No.	Remarks
Ava II	1,000 U	EBR-1021	10 U/ul

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/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

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 SensitivityBlocked by overlapping *dcm* methylation, and by overlapping CpG methylation:

Buf4	37°C	65°C	dcm	
<small>BUFFER</small>	<small>REACTION</small>	<small>INACTIVATION</small>	<small>METHYL BLOCK</small>	<small>BLUE/WHITE</small>

Buffer	1	2	3	4
Activity	50	75	10	100



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