



For research use only

ISO9001

Pho I

Product	Quantity	Cat. No.	Remarks
Pho I	500 unit	EBR-1107	10 unit/μl

Recognition site

$$\begin{array}{c} 5' \dots G \ G \mid C \ C \dots 3' \\ 3' \dots C \ C \mid G \ G \dots 5' \end{array}$$

Source

Pyrococcus horikoshii OT3.

Reaction Conditions

Buffer 3. 50 mM Tris-HCl (pH 7.9), 100 mM NaCl, 10 mM MgCl₂, 1 mM DTT.

Incubate at 75°C.

Concentration & Storage Condition

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

Heat Inactivation Condition

No.

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 some combinations of overlapping CpG methylation.

Note

Incubate at 37°C results in <10% activity.

Highly thermostable enzyme that can survive temperatures as high as 95 °C.

Buf3	75°C		CpG	
<small>BUFFER</small>	<small>REACTION</small>	<small>INACTIVATION</small>	<small>METHYL BLOCK</small>	<small>BLUE/WHITE</small>

<small>Buffer</small>	<small>1</small>	<small>2</small>	<small>3</small>	<small>4</small>
<small>Activity</small>	50	50	100	75



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