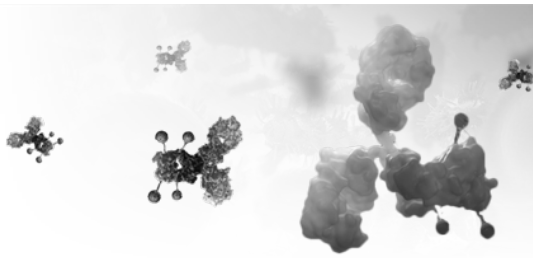

T. aquaticus TaqI (full length) (DAG-P2712)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	TaqI full length protein
Antigen Description	TaqI is a restriction endonuclease that recognizes the double-stranded sequence T/CGA and cleaves after T-1, generating fragments with 5'-cohesive ends. It carries out endonucleolytic cleavage of DNA to give specific double-stranded fragments with terminal 5'-phosphates. Taq I will only partially cleave DNA isolated from E.coli strains that have the dam methylase (dam+ strains). Taq I is inefficient in digesting single stranded DNA . Overlapping dam methylation will block cleavage by Taq I.
Species	T. aquaticus
Conjugate	Unconjugated
Applications	FuncS
Format	Liquid
Buffer	Preservative: None Constituents: 50% Glycerol, 7mM Beta mercaptoethanol, 350mM Potassium chloride, 20mM Tris HCl, 1mM EDTA, pH 8.0
Preservative	None
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 50% Glycerol, 7mM Beta mercaptoethanol, 350mM Potassium chloride, 20mM Tris HCl, 1mM EDTA, pH 8.0

BACKGROUND

Introduction	Thermus aquaticus is a species of bacterium that can tolerate high temperatures, one of several thermophilic bacteria that belong to the Deinococcus-Thermus group. It is the source of the heat-resistant enzyme Taq DNA polymerase, one of the most important

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Keywords taqIR; Endonuclease TaqI; R.TaqI; Taq 1; Type II restriction enzyme TaqI

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