



Recombinant *T. aquaticus* Taq DNA Polymerase (DAG3606)

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

PRODUCT INFORMATION

Product Overview	Recombinant Taq DNA Polymerase
Species	<i>T. aquaticus</i>
Conjugate	Unconjugated
Applications	PCR, 3' A-tailing of blunt ends, compatible with Vectors.
Buffer	Compatibility with Reaction Buffers: Taq DNA Polymerase in Storage Buffer. Use of other reaction buffers that do not contain Triton X-100 (final concentration of 0.1%) will result in inactivation of the enzyme. 50 mM Tris-HCl (pH 8.0) + 100 mM NaCl + 0.1
Preservative	None
Storage	2-8°C short term, -20°C long term

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 enzymes in molecular biology because of its use in the polymerase chain reaction (PCR) DNA amplification technique.
Keywords	T. aquaticus; Thermus aquaticus; Taq polymerase; Taq-exonuc; DNA polymerase; Taq Pol; Taq; Thermus; Thermales