

TaqDNA

Description: Taq DNA Polymerase(a) is a thermostable enzyme of approximately 94 kDa isolated from *Thermus aquaticus*. This unmodified enzyme replicates DNA at 74°C and exhibits a half-life of 40 minutes at 95°C. The enzyme catalyzes the polymerization of nucleotides into duplex DNA in the 5

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For research use only.

Synonyms: DNA polymerase I thermostable, EC 2.7.7.7, Taq polymerase 1.

Source: Recombinant e.coli contains *Thermus aquaticus* polymerase gene.

Formulation:

Taq DNA Polymerase solution in 20mM Tris-HCl, pH 8.0, 100mM KCl, 0.1mM EDTA, 5mM DTT, 50% Glycerol, 0.5% NP40, 0.5% Tween 20.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Storage:

Stable for 5 days at 10°C, for longer period of time store at -20°C. 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. 50mM Tris-HCl (pH 8.0), 100mM NaCl, 0.1mM EDTA, 1mM DTT, 50% glycerol and 1% Triton X-100.

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