
Product Data Sheet

Product Name: TaqDNA
 Cat. No.: GP22281
 Batch No.: 1

Product Data

Purity	>98%	Source	Recombinant e.coli contains Thermus aquaticus polymerase gene.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	DNA polymerase I thermostable; EC 2.7.7.7; Taq polymerase 1.		
Formulation	Taq DNA Polymerase solution in 20mM Tris-HCl, pH 8.0, 100mM KCl, 0.1mM EDTA, 1mM DTT, 50% Glycerol, 0.5% NP40, 0.5% Tween 20.		

Stability

Stable for 5 days at 10°C , for longer period of time store at -20°C .

Background

Taq DNA Polymerase(a) is a thermostable enzyme of approximately 95 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'~3' direction in the presence of magnesium and also possesses a 5'~3' exonuclease activity. Taq DNA Polymerase is recommended for use in PCR but is not recommended for use in DNA sequencing reactions.

Caution: Product has not been fully validated for medical applications. For research use only.

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