

TaqDNA Recombinant Protein



RPPB2409

Product Information Protein Information

Product SKU:

RPPB2409

Accession:

P19821

Host:

Recombinant e.coli
contains Thermus
aquaticus polymerase
gene.

Protein description:

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.

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.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

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