



# California Bioscience

83103 Avenue 48, Ste.1B #204  
Coachella, CA 92236 USA  
Phone : +1.6268339877  
Email : [info@cali-bio.com](mailto:info@cali-bio.com)

## Product Datasheet

<b>Product Name</b>	Taq DNA Polymerase Recombinant
<b>Cata No</b>	CB500485
<b>Source</b>	<i>Recombinant e.coli contains Thermus aquaticus polymerase gene.</i>
<b>Synonyms</b>	DNA polymerase I thermostable, EC 2.7.7.7, Taq polymerase 1.

### 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'~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.

### 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.

### Applications

PCR, 3' A-tailing of blunt ends, compatible with Vectors.

**\* For Non-Clinical Research Use Only \***