

## 32-2838: TaqDNA Recombinant Protein

**Alternative Name :** DNA polymerase I thermostable, EC 2.7.7.7, Taq polymerase 1.

### Description

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

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 3000U   |
| <b>Purification :</b>      | Greater than 95.0% as determined by SDS-PAGE.   |
| <b>Content :</b>           | 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. |
| <b>Storage condition :</b> | Stable for 5 days at 10°C, for longer period of time store at -20°C.  |

