

## 32-2837: Taq Plus DNA Recombinant Protein

**Alternative Name :** Taq Plus DNA Polymerase, Taq Plus DNA, TaqPDNA.

### Description

Source : Recombinant E.coli contains Thermus aquaticus polymerase gene. Taq Plus, which is used to improve the reliability and yield of conventional primer extension reaction. Taq Plus has two following advantages over Taq: (1) high fidelity with an error frequency 1.6/10<sup>6</sup> (or 0.0016/10<sup>3</sup>) during DNA synthesis. (2) Taq Plus increases the efficiency of polymerization reaction, resulting in a great percentage of extenuation reaction completion up to 10 kb to 30 kb. Pfu has a temperature optimum between 72-78°C and remains > 95% active following 1-hour incubation at 95°C.

### Product Info

<b>Amount :</b>	750U
<b>Content :</b>	5U/μl. 10X Reaction Buffer: 200 mM TrisHCl (pH 8.8), 100 mM KCl, 100 mM (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> , 20 mM Mg SO <sub>4</sub> , 1% Triton X-100, 1 mg/ml bovine serum albumin (BSA). Note: All reagents, including Taq Plus, should be mixed immediately before use.
<b>Storage condition :</b>	Stable for 5 days at 10°C, for longer period of time store at -20°C. 20mM Tris-HCl (pH 8.0), 1mM DTT, 0.1mM EDTA, 100mM KCl, Stabilizers, and 50%glycerol.