

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 1.6/10⁶ (or 0.0016/10³) 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

Amount :	750U
Content :	5U/μl. 10X Reaction Buffer: 200 mM TrisHCl (pH 8.8), 100 mM KCl, 100 mM (NH ₄) ₂ SO ₄ , 20 mM Mg SO ₄ , 1% Triton X-100, 1 mg/ml bovine serum albumin (BSA). Note: All reagents, including Taq Plus, should be mixed immediately before use.
Storage condition :	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.

