

# Taq Plus DNA Recombinant Protein



RPPB2304

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## Product Information    Protein Information

**Product SKU:**

RPPB2304

**Host:**

Recombinant E.coli contains *Thermus aquaticus* polymerase gene.

**Protein description:**

Taq Plus is a mixture of Taq and Pfu. 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.

**Synonyms:**

Taq Plus DNA Polymerase, Taq Plus DNA, TaqPDNA.

**Formulation:**

5U/μl.

**Stability:**

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