



Creative Enzymes

Diagnostic Enzymes

High-Fidelity DNA Polymerase (with Uracil)

Product Information

Cat#	POL-013
Storage	Store at -25 ~ -15°C for 1 year.
Activity	1 U/μL
Features	This product is a U-resistant, high-fidelity enzyme; the amplification product has blunt ends.
Description	This product is a new generation of high-fidelity DNA polymerase based on Pfu DNA Polymerase. Compared with Pfu DNA Polymerase, its performance is significantly improved, enabling rapid and accurate PCR reactions even with complex templates. Its fidelity is significantly enhanced, and it solves many problems associated with conventional high-fidelity enzymes, such as their inability to polymerize using dUTP as a raw material, their inability to use amplification primers containing dUTP, and their inability to use DNA containing dUTP as a template. This product is equipped with an optimized enzyme buffer and added PCR enhancement components, giving it extremely high amplification efficiency and broad template adaptability, making it suitable for amplifying complex templates. Its amplification products have blunt ends.
Applications	Used for high-fidelity library amplification using primers containing dUTP; Used for high-fidelity library amplification using templates containing dUTP; Used for high-fidelity library amplification using dNTPs containing dUTP.
Specification	100 U; 500 U

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