Creative Enzymes
Diagnostic Enzymes

Taq HS DNA Polymerase (Glycerol-free)

Product Information

Cat#	ENZD-MDLyo04
Specification	1000 U; 5000 U
Unit Concentration	5 U/μl
Description	This product is a hot-start Taq polymerase obtained by mixing Champagne Taq antibody and Taq DNA polymerase in a specific ratio. Based on the thermostability of Champagne Taq antibody, Taq HS DNA polymerase maintains strict blocking properties at 55°C, minimizing non-specific amplification during sample mixing and temperature rise. When the reaction is held at 95°C for more than 30 seconds, Champagne Taq antibody is inactivated, and Taq enzyme activity is fully released, ensuring high amplification sensitivity and specificity in the PCR system. Activation of Taq HS DNA polymerase is unaffected by buffer pH, ionic strength, or other factors, making it suitable for various hot-start PCR and qPCR reactions based on Taq DNA polymerase. It is commonly used to amplify low-copy genes from complex templates (genomic DNA, cDNA) and is a hot-start Taq enzyme based on PCR/qPCR molecular diagnostic reagents. This product is a glycerol-free Taq HS DNA polymerase and can be lyophilized.
Notes	The amplification is highly sensitive and specific, ensuring reliable results.
Features	Heating at 95℃ for 30 seconds will completely release Taq enzyme activity. High amplification sensitivity and specificity. Compatible with various PCR/qPCR systems.
Applications	Gene expression analysis of low-copy genes in complex templates.
Components	Taq HS DNA polymerase (Glycerol-free) (5 U/μl)
Quality Control	Excellent amplification performance; Broad system compatibility
Shipping and Storage	Store at -30 ~ -15℃, transport at ≤0℃.

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Conditions

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