

Hot Start Taq DNA Polymerase (Chemical Modified)

Catalog Number LDG0037RF

Package 1 KU

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Overview

Description

Hot Start Taq DNA Polymerase (Chemical Modified), a modified form of Taq enzyme, remains inactive at room temperature but activates at 95°C, preventing nonspecific amplification during PCR. Its rapid 5-minute activation time streamlines procedures. With an optimized buffer system, it significantly reduces primer-dimer formation, enhancing sensitivity and specificity. This enzyme possesses 5'-3' exonuclease activity, are applicable for fluorescence quantitative PCR reactions. Employing hot-start amplification is a common method to enhance PCR specificity, making hot-start enzymes an excellent choice.

Specifications

Application

RT-PCR, qPCR

Concentration

5 U/μL

Unit Definition

One unit is defined as the amount of enzyme that will catalyze the incorporation of 10 nmol of dNTP into acid-insoluble form in 30 minutes at 72°C by using activated salmon sperm DNA as a template/primer.

Form

Liquid

Instruction

Tainan Headquarter

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Innovation & Research Center

+886-2-27065528

CLD Center

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Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C or -80°C for 12 months under sterile conditions from date of receipt.

Avoid repeated freeze/thaw cycles.

Disclaimer : For Research Use or Further Manufacturing Only.