



**Creative Enzymes**

*Diagnostic Enzymes*

## Therminator DNA Polymerase (1 U/ $\mu$ L)

### Product Information

<b>Cat#</b>	POL-017
<b>Notes</b>	To avoid repeated freeze-thaw cycles, nuclease-free pipette tips and centrifuge tubes must be used during the experiment.
<b>Source</b>	Recombinant <i>E. coli</i> strain containing the 9°N-7 gene of <i>Thermococcus</i> .
<b>Storage</b>	Store at -25 ~ -15°C for 2 years.
<b>Activity</b>	1 U/ $\mu$ L
<b>Features</b>	An engineered 9°Nm DNA polymerase with no 5'→3' or 3'→5' exonuclease activity; It has a stronger ability to incorporate modified substrates (such as ddNTPs, rNTPs, and acyNTPs) compared to the natural enzyme; It can be used for partial ribonucleic acid replacement sequencing of DNA sequences and chain termination sequencing/SNP analysis of ddNTPs or acyNTPs.
<b>Description</b>	Therminator DNA Polymerase is an engineered 9°N mDNA polymerase. Compared to the natural enzyme, it exhibits a stronger ability to incorporate modified substrates (such as ddNTPs, rNTPs, and acyNTPs), lacks 5'→3' or 3'→5' exonuclease activity, and is not heat-inactivated.
<b>Applications</b>	This enzyme is used for partial ribonucleic acid replacement sequencing of DNA sequences and chain termination sequencing/SNP analysis of ddNTPs or acyNTPs.
<b>Specification</b>	200 U; 1000 U

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