

Bst II Pro DNA Polymerase Large Fragment

Product Information

Cat#	DIA-454
Description	Engineered large fragment of <i>Bacillus stearothermophilus</i> DNA polymerase. Retains 5'→3' polymerase and strong strand displacement activity, lacks 5'→3' exonuclease activity. Incorporates next-generation hot-start technology: inhibited below 50 °C, rapidly activated above 50 °C. Suitable for isothermal amplification with high speed, specificity, salt tolerance, and thermal stability. Supports room-temperature reaction preparation.
Storage	-30 °C to -15 °C
Applications	Isothermal amplification: LAMP (Loop-Mediated Isothermal Amplification), HDA (Helicase-Dependent Amplification), RCA (Rolling Circle Amplification).
Product Overview	Product Components: 1600 U: Bst II Pro DNA Polymerase Large Fragment (8 U/μL): 200 μL 10x IsothermalAmp Buffer: 500 μL MgSO₄(100 mM): 300 μL 8000 U: Bst II Pro DNA Polymerase Large Fragment (8 U/μL): 1 mL 10x IsothermalAmp Buffer: 3 x 1 mL MgSO₄(100 mM): 2 x 1 mL Product Features: Excellent amplification performance Compatible with crude lysate samples Supports room temperature system setup
Package	1600/8000 U