

Recombinant *Thermus aquaticus* polA protein

Cat. No. polA-4487T **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Thermus aquaticus</i> polA protein(P19821)(293-832aa(M747K)) was expressed in <i>E. coli</i> .
Species	<i>Thermus aquaticus</i>
Source	<i>E. coli</i>
ProteinLength	293-832aa(M747K)
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	61.0 kDa
AA Sequence	ALEEAPWPPPEGAFVGFVLSRKEPMWADLLALAAARGGRVHRAPEPYKALRDLKE ARGLLAKDLSVLALREGLGLPPGDDPMLLAYLLDPSNTTPEGVARRYGGEWTEEAG ERAALSERLFANLWGRLEGEERLLWLREVERPLSAVLAHMEATGVRLDVAYLRAL SLEVAEEIARLEAEVFRLAGHPFNLNSRDQLERVLFDLGLPAIGKTEKTGKRSTSAA VLEALREAHPIVEKILQYRELTKLKSTYIDPLPDLIHPRTGRLHTRFNQTATATGRLSS SDPNLQNIPVRTPLGQRIIRAFIAEEGWLLVALDYSQIELRVLHLSGDENLIRVFQE GRDIHTETASWMFGVPREAVDPLMRRAAKTINFGVLYGMSAHRLSQELAIPIYEEAQ AFIERYFQSFQKVRWIEKTLEEGRRRGYVETLFGRRRYVPDLEARVKSVDREAAERK AFNMPVQGTAAADLMKLMVKLFPRLEEMGARMLLQVHDELVEAPKERAEAVARLA KEVMEGVYPLAVPLEVEVGIGEDWLSAKE

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Purity	Greater than 85% as determined by SDS-PAGE.
Storage	Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	Reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

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