

CinnaGen SmarTaq DNA Polymerase is purified from E.coli expressing a cloned *Thermus aquaticus* DNA polymerase gene with 5'-3' polymerase activity of dNTPs. CinnaGen SmarTaq DNA Polymerase is heat stable and synthesizes DNA at elevated temperatures from single standard templates in the presence of a primer.

Supplied with: 10XPCR Buffer 100mM Tris-HCl (pH 8.8 at 25°C), 500mM KCl, 10X PCR Buffer (with 750mM Tris-HCl (pH 8.8 at 25°C), 200mM (NH₄)₂SO₄, 0.1% Tween 20 and 50mM MgCl₂.

Source: E.coli cells with a cloned gene from *Thermus aquaticus*.