

Active Recombinant E. coli Poly(A) Polymerase

Cat. No. PF1-62E Lot. No. (See product label)

SPECIFICATION

Product Overview	The gene encoding E. coli Poly(A) Polymerase expressed from a plasmid in E. coli.
Species	E.coli
Source	E.coli
Description	Poly(A) Polymerase catalyzes the addition of AMP from ATP to the 3' hydroxyl of RNA. The reaction requires Mg ²⁺ and is template independent.
Bio-activity	>20,000 U/mg
Molecular Mass	53,870 Daltons
Purity	>95% by SDS-PAGE
Unit Definition	1 unit is defined as the amount of enzyme that will incorporate 1 nmol of ATP into acid-insoluble material in 10 minutes at 37°C.
Storage	-25 to -15°C
Concentration	5,000 U/mL
Storage Buffer	Supplied in: 25mM Tris-HCl, 500mM NaCl, 0.1mM DTT, 0.1mM EDTA, 1mM MgCl ₂ , 50% glycerol pH 8.0 @ 25°C. Supplied with: 10X Poly(A) Polymerase Reaction Buffer: 500mM Tris-HCl, 2.5M NaCl, 100mM MgCl ₂ pH 7.9 @ 25°C.

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