Creative Enzymes®

T7 RNA polymerase (low dsRNA)

Cat. No. COV-008

Lot. No. (See product label)

Introduction

Description	T7 RNA Polymerase is a DNA-dependent RNA polymerase from T7 phage, with highly specific 5 ´→ 3 ´ RNA polymerase activity, and fewer dsRNA byproducts in the in vitro transcriptional product compared to wild-type T7 RNA polymerase.

Product Information

Form	Clear liquid
EC Number	EC 2.7.7.6
CAS No.	9014-24-8
Activity	50 U/μL
Buffer	50 mM Tris-HCl，100 mM NaCl，20 mM β-ME，1 mM EDTA，50% Glycerol，0.1% (w/v) Triton® X-100，pH 7.9 @ 25°C
Unit Definition	One unit is defined as the amount of enzyme that will catalyze NTP to produce 1 nmol PPi in 1 hour at 37°C.

Storage and Shipping Information

Storage	at -25 to -15 °C (Avoid repeated freeze-thaw cycles)