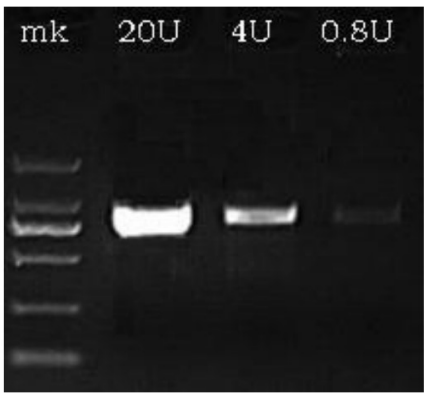
GMP Grade | Bioactive

T7 RNA Polymerase

Catalog # DM0009 Size 50 kU

Applications



In vitro Transcription

RNA transcription in vitro. From left to right, the amount of T7 RNA Polymerases were 20 U, 4 U, 0.8 U. The transcription fragment was 2Kb.

Specification

Product Description	T7 RNA polymerase is a T7 promoter-specific, DNA-dependent, 5'→3' RNA polymerase from T7 bacteriophage. Using double stranded DNA as the template, it transcribes RNA complementary to the single stranded DNA located at the downstream of T7 promoter. T7 RNA polymerase has been commonly used for in vitro mRNA synthesis.
Form	Liquid
Purity	95% ≤
Activity	49 KU/mL to 51 KU/mL
Recommend Usage	Single stranded RNA synthesis RNA probe synthesis siRNA precursor synthesis Precursor for RNA splicing preparation Capped RNA synthesis The optimal working dilution should be determined by the end user.
Regulatory Status	GMP grade

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Storage Buffer	100 mM NaCl, 50 mM Tris-HCl (pH 7.9), 1 mM EDTA, 20 mM 2-mercaptoethanol, 0.1% Triton X-100 ; 50% (v/v) Glycerol.
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

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