

T7 RNA polymerase

Chemical Properties

CAS No. : 9014-24-8

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	T7 RNA polymerase, expressed by Escherichia coli from the T7 bacteriophage RNA polymerase gene, is a highly specific enzyme utilized for in vitro transcription (IVT) of mRNA. This polymerase requires Mg ²⁺ and selects only DNA templates that contain the T7 promoter sequence, whether single-stranded or double-stranded. It employs NTPs to synthesize RNA that is complementary to the single-stranded DNA following the promoter [1] [2].
Targets(IC50)	DNA/RNA Synthesis

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