

T7RNA Polymerase

Product Information

Cat#	DIA-882
Descriptions	T7 RNA Polymerase is a DNA-dependent RNA polymerase that specifically recognizes the T7 promoter sequence to initiate high-efficiency transcription of downstream DNA templates, exhibits extremely high promoter specificity and transcription rate, and is the standard tool for in vitro RNA synthesis and recombinant protein expression systems.
Applications	T7 RNA Polymerase serves as a core tool for in vitro transcription detection kits and RNA synthesis assay reagent development.
CAS No.	9014-24-8
Enzyme Commission Number	EC 2.7.7.6
Synonyms	This product is the phage T7RNA Polymerase derived from recombinant expression in E. coli. It can specifically recognize the T7 promoter sequence and synthesize RNA complementary to downstream single-stranded DNA of the promoter using the single or double stranded DNA containing the sequence of T7 promoter as the template and NTP as the substrate.