Creative Enzymes®

DNA-directed RNA polymerase

Cat. No. EXWM-3271

Lot. No. (See product label)

Introduction

Description	Catalyses DNA-template-directed extension of the 3'- end of an RNA strand by one nucleotide at a time. Can initiate a chain de novo. In eukaryotes, three forms of the enzyme have been distinguished on the basis of sensitivity to α-amanitin, and the type of RNA synthesized. See also EC 2.7.7.19 (polynucleotide adenylyltransferase) and EC 2.7.7.48 (RNA-directed RNA polymerase).
Synonyms	RNA polymerase; RNA nucleotidyltransferase (DNA-directed); RNA polymerase I; RNA polymerase II; RNA polymerase III; C RNA formation factors; deoxyribonucleic acid-dependent ribonucleic acid polymerase; DNA-dependent ribonucleate nucleotidyltransferase; DNA-dependent RNA nucleotidyltransferase; DNA-dependent RNA polymerase; ribonucleate nucleotidyltransferase; ribonucleate polymerase; C ribonucleic acid formation factors; ribonucleic acid nucleotidyltransferase; ribonucleic acid polymerase; ribonucleic acid transcriptase; ribonucleic polymerase; ribonucleic transcriptase; RNA nucleotidyltransferase; RNA transcriptase; transcriptase; RNA nucleotidyltransferase I

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.7.6
CAS No.	9014-24-8
Reaction	nucleoside triphosphate + RNAn = diphosphate + RNAn+1
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.