

## 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  $\alpha$ -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 °C for short term. For long term storage, store it at -20 °C~-80 °C.