Creative Enzymes®

polynucleotide adenylyltransferase

Cat. No. EXWM-3233

Lot. No. (See product label)

Introduction

Description	Also acts slowly with CTP. Catalyses template-independent extension of the 3'- end of a DNA strand by one nucleotide at a time. Cannot initiate a chain de novo. The primer, depending on the source of the enzyme, may be an RNA or DNA fragment, or oligo(A) bearing a 3'-OH terminal group. See also EC 2.7.7.6 DNA-directed RNA polymerase.
Synonyms	NTP polymerase; RNA adenylating enzyme; AMP polynucleotidylexotransferase; ATP-polynucleotide adenylyltransferase; ATP:polynucleotidylexotransferase; poly(A) polymerase; poly(A) synthetase; polyadenylate nucleotidyltransferase; polyadenylate polymerase; polyadenylate synthetase; polyadenylic acid polymerase; polyadenylic polymerase; terminal riboadenylate transferase; poly(A) hydrolase; RNA formation factors, PF1; adenosine triphosphate:ribonucleic acid adenylyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.7.19
CAS No.	9026-30-6
Reaction	ATP + 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 ℃.