Creative Enzymes®

DNA-directed DNA polymerase

Cat. No. EXWM-3281

Lot. No. (See product label)

Introduction

Description	Catalyses DNA-template-directed extension of the 3'- end of a DNA strand by one nucleotide at a time. Cannot initiate a chain de novo. Requires a primer, which may be DNA or RNA. See also EC 2.7.7.49 RNA-directed DNA polymerase.
Synonyms	DNA polymerase I; DNA polymerase II; DNA polymerase III; DNA polymerase α; DNA polymerase β; DNA polymerase γ; DNA nucleotidyltransferase (DNA-directed); deoxyribonucleate nucleotidyltransferase; deoxynucleate polymerase; deoxyribonucleic acid duplicase; deoxyribonucleic acid polymerase; deoxyribonucleic duplicase; deoxyribonucleic polymerase; deoxyribonucleic polymerase I; DNA duplicase; DNA nucleotidyltransferase; DNA polymerase; DNA replicase; DNA-dependent DNA polymerase; duplicase; Klenow fragment; sequenase; Taq DNA polymerase; Taq Pol I; Tca DNA polymerase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.7.7
CAS No.	9012-90-2
Reaction	a 2'-deoxyribonucleoside 5'-triphosphate + DNAn = diphosphate + DNAn+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 ℃.