Creative Enzymes®

T4 deoxyribonuclease II

Cat. No. EXWM-3578

Lot. No. (See product label)

Introduction

Description	Requires Mg2+. This phage T4 enzyme is involved in degradation of host DNA. The enzyme primarily catalyses nicking of the bottom strand of double stranded DNA between the first and second base pair to the right of a top-strand CCGC motif. Double-stranded breaks are produced 5- to 10-fold less frequently. It does not cleave the T4 native DNA, which contains 5-hydroxymethylcytosine instead of cytosine.
Synonyms	T4 endonuclease II; EndoII (ambiguous); denA (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.1.21.8
Reaction	Endonucleolytic nicking and cleavage of cytosine-containing double-stranded DNA.
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 ℃.