Creative Enzymes®

DNA-(apurinic or apyrimidinic site) lyase

Cat. No. EXWM-5265

Lot. No. (See product label)

Introduction

Description Nicking of the phosphodiester bond is due to a lyase-type reaction, not hydrolysis. This group of enzymes was previously listed as endonucleases, under EC 3.1.25.2.

Synonyms AP lyase; AP endonuclease class I; endodeoxyribonuclease (apurinic or apyrimidinic); deoxyribonuclease (apurinic or apyrimidinic); E. coli endonuclease III; phage-T4 UV endonuclease; Micrococcus luteus UV endonuclease; AP site-DNA 5'-phosphomonoester-lyase; X-ray endonuclease III

Product Information

Form Liquid or lyophilized powder

EC Number EC 4.2.99.18

CAS No. 61811-29-8

Reaction The C-O-P bond 3' to the apurinic or apyrimidinic site in DNA is broken by a β-elimination reaction, leaving a 3'-terminal unsaturated sugar and a product with a terminal 5'-phosphate

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 ℃.