

## Exonuclease III

Cat. No. NATZ-080

Lot. No. (See product label)

### Introduction

**Description** 1. Contains DNA 3'-phosphatase: hydrolyzes 3'-terminal phosphate monoesters and can hydrolyze hydrolyzed DNA from the 3'-end. 2. Contains AP endonuclease: cleaves the phosphodiester bond at the purine or pyrimidine site, generating a base-free deoxyribose 5'-phosphate residue at the 5'-end of the residue. 3. Ribonuclease H activity: degrades RNA strands in DNA-RNA hybrid double strands. 4. Digests double-stranded DNA at the gap in the single-stranded interstices. 5. Will not degrade double-stranded DNA, single-stranded DNA, or phosphorothioate-conjugated nucleotides with at least 4 base pair overhangs.

### Product Information

<b>Source</b>	E.coli
<b>Form</b>	Liquid
<b>EC Number</b>	EC 3.1.11.2
<b>Purity</b>	≥90%
<b>Buffer</b>	10X Exonuclease III Reaction Buffer

### Storage and Shipping Information

<b>Storage</b>	-20°C
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