

Active Recombinant E.coli Exonuclease I

Cat. No. Exonuclease I-54E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified from a strain of <i>E. coli</i> that expresses the recombinant Exonuclease I gene.
Species	<i>E.coli</i>
Source	<i>E.coli</i>
Description	Exonuclease I cleaves single-stranded DNA in the 3'→5' direction, releasing 5' - mono/di-nucleotides and leaving double-stranded DNA molecules and the 5'-terminus intact. The enzyme is processive though digestion is inhibited by the presence of a 3' -terminal phosphate. Exonuclease I is tolerant of a wide-range of buffer conditions and can typically be added to reactions containing magnesium.
Bio-activity	185,000 U/mg
Molecular Mass	54,500 Daltons
Purity	>99% by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme required to produce 10 nmol of acid-soluble total nucleotide in 30 minutes at 37°C.
Storage	-15 to -25°C
Concentration	20,000 U/ml

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Storage Buffer

Supplied in: 10mM Tris-HCl, 100mM NaCl, 1mM DTT, 0.5mM EDTA, 50% glycerol pH 7.5 @ 25°C.

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