

Exonuclease Comparison

Exonuclease	Gene(s)	DNA Substrates	Mode of Action	Acid-Soluble Products
Exonuclease I	<i>sbcB(xonA)</i>	Single-stranded	3'→5'	5'-dNMP 5'-terminal pNpN
Exonuclease III	<i>xthA</i>	Duplex	3'→5'	5'-dNMP
Exonuclease V	<i>recB, xseC</i>	Single-stranded and duplex	3'→5' 5'→3'	Oligonucleotides
Exonuclease V, RecBCD	<i>recB, recC, recD</i>	Single-stranded and duplex	3'→5' 5'→3'	Oligonucleotides
Exonuclease VII	<i>xseA, xseB</i>	Single-stranded	3'→5' 5'→3'	Oligonucleotides
Lambda Exonuclease	λ <i>red</i> α	Duplex 5' Phosphorylated Band	5'→3'	5'-dNMP
T7 Gene 6 Exonuclease	<i>T7 gene 6</i>	Duplex	5'→3'	Oligonucleotides 5'-dNMP