Datasheet for ABIN3188195

Exonuclease I, E. coli

Overview

Quantity:	2000 U
Application:	DNA Modification (DNA Mod)

Product Details

Characteristics:	Exonuclease I, E.coli catalyzes the removal of nucleotides from single-stranded DNA in the 3' *→5' direction, releasing deoxyribonucleoside 5'-monophosphates and leaving 5'-terminal dinucleotides intact. Hydrolysis cannot proceed if the 3'-terminus is phosphorylated.*
Components:	Enzyme supplied with 10X Reaction Buffer
Unit Definition:	One unit is defined as the amount of Exonuclease I, E. coli that is required to catalyze the release of 10 nmol of acid soluble nucleotides from heat-denatured DNA in 30 minutes at 37°C in 1X Exonuclease I Reaction Buffer.

Application Details

Comment:	• Removal of singlestranded primer oligonucleotides from: • PCR mixtures for applications involving sequencing or labelling • from nucleic acid mixtures • Assaying for the presence of singlestranded DNA with a 3'hydroxyl terminus
Restrictions:	For Research Use only

Handling

Concentration:	20 U/µL
Buffer:	20 mM HEPES (pH 7.1), 150 mM NaCl, 1 mM DTT, 1 mM EDTA, and 50 % (v/v) Glycerol.
Storage:	-20 °C

Publications

Product cited in:	Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)