



DNase I (RNase-Free)

Cat. No. E091

Store at -20°C.

Product Description

DNase I is a non-specific endonuclease derived from bovine pancreas that catalyzes the cleavage of phosphodiester bonds in single/double-stranded DNA, chromatin, and RNA:DNA hybrids to generate di-and/or oligonucleotide (5'-phosphorylated and 3'-hydroxylated) end-products. This product is RNase free and can be used in RNA applications.

Part. No	Product Component	Quantity
E091-1	DNase I (RNase-Free)	200 U (100 µl)
P114	10X DNase I Reaction Buffer	1.0 ml

Unit Definition

One unit is defined as the amount of enzyme which will completely degrade 1 µg of pBR322 DNA in 10 mins at 37 °C. Complete degradation is defined as the reduction of the majority of DNA fragments to tetranucleotides or smaller.

Usage Notes

This product should not be used in digestions longer than 15 minutes or at temperatures higher than 37°C. For non-RNase-Free DNase I, see Cat. No. **G028**.