

DNase I (RNase-free)

Cat. No.: ORT411

Description: This product is a recombinant endonuclease expressed and purified from DNase I gene derived from Bovine pancreas. It hydrolyzes phosphodiester bonds producing mono- and oligodeoxyribonucleotides with 5'-phosphate and 3'-OH groups.

Contents

DNase I (RNase-free)	500U (2U/ μ L)
10X DNase I Reaction Buffer with $MgCl_2$	340 μ L
Stop Solution	250 μ L

Features

- Source: Bovine pancreas
- Concentration: 2U/ μ L
- Activity (U/mg protein): @ 25°C > 2500U/mg protein,
- RNase: None

Applications:

- Degradation of DNA template in transcription reactions
- Removal of genomic DNA from RNA preparations
- DNase I footprinting
- Nick translation.

Unit definition: One unit of the enzyme completely degrades 1 μ g of plasmid DNA in 10 minutes at 37 °C.

Storage: Store at –20°C. Do not store in a frost-free freezer. This product is guaranteed for 1 year under proper storage.