

Product Details

Deoxyribonuclease I (DNase I) is a single, glycosylated polypeptide that degrades unwanted single- and double-stranded DNA. The enzyme works by cleaving DNA into 5' phosphodinucleotide and small oligonucleotide fragments. DNase I is commonly added to cell lysis reagents to remove the viscosity caused by the DNA content in bacterial cell lysates or to remove the DNA templates from RNAs produced by in vitro transcription.

Application

- Removal of contaminating genomic DNA from RNA samples
- Degradation of DNA templates in transcription reactions
- DNase I footprinting
- Nick Translation

Unit Definition

One unit is defined as the amount of enzyme which will completely degrade 1 μg of DNA in 10 minutes at 37°C in DNase I Reaction Buffer.

Purity

>90% as determined by SDS-PAGE.

Formulation

- Supplied as 0.2 μm filtered solution in 20 mM Tris, pH7.6 with glycerol as protectant.
- Contact us for customized product form or formulation.

Shipping and Storage

- This product is supplied and shipped on blue ice.
- This product is stable after storage at:
 - This product is stable for up to 12 months at -20°C from date of receipt.



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