Bioactive

# Deoxyribonuclease I

Catalog # P5307 Size 25000 Units

## Specification

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| **Product Description** | Lyophilized. Contains ? 0.0005% RNase. |
| **Biological function** | Bovine pancreatic deoxyribonuclease is an endonuclease which splits phosphodiester linkages, pref erentially adjacent to a pyrimidine nucleotide yielding polynucleotides with free hydroxyl group at the 3' position and phosphate group at the 5' position. |
| **Host** | Bovine |
| **Theoretical MW (kDa)** | 31.3 |
| **Form** | Lyophilized |
| **Preparation Method** | Native protein chromatographically purified from Bovine Pancreas |
| **Activity** | >=2,000 Kunitz units per mg dry weight. One Unit causes an increase in absorbance at 260 nm of 0. 001 per minute per ml at 25°C when acting upon highly polymerized DNA at pH 5.0. |
| **Recommend Usage** | Deoxyribonuclease I Assay; Nick translation; DNA mapping; Isolation of nuclear RNA and protein; Pl asmid construction; RNA polymerase synthesis of RNA probes and RT-PCR. |
| **Storage Instruction** | Store at 4°C on dry atmosphere. |
| **Note** | Contains glycine as a stabilizer. All equipment used to handle product should be RNase-free. Glassw are and spatulas need to be heat-treated. |

## Applications

- Enzyme Activity

## Gene Info — DNASE1

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| **Entrez GeneID** | 282217 |

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|---|---|
| **Protein Accession#** | P00639 |
| **Gene Name** | DNASE1 |
| **Gene Alias** | - |
| **Gene Description** | deoxyribonuclease I |
| **Gene Ontology** | Hyperlink |
| **Other Designations** | - |

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