

Bioactive

Deoxyribonuclease I

Catalog # P5307 Size 25000 Units

Specification

Product Description	Lyophilized. Contains ? 0.0005% RNase.
Biological function	Bovine pancreatic deoxyribonuclease is an endonuclease which splits phosphodiester linkages, preferentially 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; Plasmid 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. Glassware and spatulas need to be heat-treated.

Applications

- Enzyme Activity

Gene Info — DNASE1

Entrez GeneID [282217](#)

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