

Bioactive

Deoxyribonuclease I, Molecular Biology Grade

Catalog # P5308 Size 2500 Units

Specification

Product Description	Lyophilized. RNase & Protease free.
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	$\geq 2,000$ 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. Each vial contains approximately 2 mg glycine and 2 umoles calcium per 10,000 units of DNase I. Reconstituted the entire vial in 5 ml provides the equivalent of a 1 mg/ml solution.
Note	Contains glycine and calcium as 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	-