Bioactive

Deoxyribonuclease I, Molecular Biology Grade

Catalog # P5309 Size 100 Units

Specification

Product Description	Solution (~ 2 Kunitz units/ml). RNase & Protease free.
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	Liquid
Preparation Method	Native protein chromatographically purified from Bovine Pancreas
Concentration	~ 1 mg/mL
Activity	>=2,000 Kunitz units per ml. One Unit causes an increase in absorbance at 260 nm of 0.001 per min ute 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 Buffer	In 50% glycerol and 1 mM calcium chloride
Storage Instruction	Store at -20°C.
Note	All equipment used to handle product should be RNase-free. Glassware and spatulas need to be hea t-treated.

Applications

- Enzyme Activity

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Gene Info — DNASE1

Entrez GeneID	282217
Protein Accession#	P00639
Gene Name	DNASE1
Gene Alias	-
Gene Description	deoxyribonuclease I
Gene Ontology	Hyperlink
Other Designations	-

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