

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, 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	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 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 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 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	-
--------------------	---