

Bioactive

# Deoxyribonuclease I

Catalog # P5221      Size 5 mg

## Specification

Product Description	Lyophilized.
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; DNA removal in primary cell isolation to decrease viscosity providing better yields; DNA removal in bioprocessing applications.
Storage Instruction	Store at 4°C on dry atmosphere.
Note	Contains glycine as a stabilizer.

## Applications

- Enzyme Activity

## Gene Info — DNASE1

Entrez GeneID [282217](#)

Protein Accession#	<a href="#">P00639</a>
Gene Name	DNASE1
Gene Alias	-
Gene Description	deoxyribonuclease I
Gene Ontology	<a href="#">Hyperlink</a>
Other Designations	-