

Bioactive

DNase

Catalog # P5200

Size 1 Tub

Specification

Product Description Lyophilized. 0.22 um filtered.

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 purified from Bovine Pancreas

Activity $\geq 1,000$ units per vial. 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.
Reconstituted with 0.5 ml of Earle's Balanced Salt Solution (EBSS) or equivalent yields a solution of 2000 units/ml (1 mg/ml).

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	-