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	>=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 decreases 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

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

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