

Bioactive

## DNASE1 Recombinant Protein

Catalog # P5310      Size 2000 Units

### Specification

<b>Product Description</b>	Solution. Animal derived components free. RNases & proteases free. DNASE1 (Bovine) Recombinant Protein is expressed in <i>Pichia pastoris</i> .
<b>Biological function</b>	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.
<b>Host</b>	Yeast
<b>Theoretical MW (kDa)</b>	31.3
<b>Form</b>	Liquid
<b>Preparation Method</b>	Yeast expression system
<b>Activity</b>	$\geq 2$ 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.
<b>Recommend Usage</b>	Deoxyribonuclease I Assay; Removing genomic DNA from RNA preparations prior to RT-PCR; Degradation of DNA templates after transcription reactions; Removing unwanted DNA from samples prior to Northern blotting; Removing DNA during biopharma and bioprocessing procedures.
<b>Supplied Product</b>	10x reaction buffer
<b>Storage Buffer</b>	In 5 mM Calcium Acetate, 4 mg/ml glycine (stabilizer), pH 5.0 and 50% glycerol
<b>Storage Instruction</b>	Store at -20°C.

### Applications

- Enzyme Activity

## Gene Info — DNASE1

Entrez GeneID	<a href="#">282217</a>
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Protein Accession#	<a href="#">P00639</a>
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Gene Name	DNASE1
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Gene Alias	-
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Gene Description	deoxyribonuclease I
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Gene Ontology	<a href="#">Hyperlink</a>
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Other Designations	-
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