

Bioactive

# DNASE1 Recombinant Protein

Catalog # P5311      Size 10000 Units

## Specification

<b>Product Description</b>	Lyophilized. Animal derived components free. RNases & proteases free. Recombinant protein 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>	Lyophilized
<b>Preparation Method</b>	Yeast expression system
<b>Activity</b>	$\geq 5000$ units per mg protein. 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>Storage Instruction</b>	Store at 4°C on dry atmosphere.
<b>Note</b>	Contains glycine as a stabilizer. 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	<a href="#">282217</a>
Protein Accession#	<a href="#">P00639</a>
Gene Name	DNASE1
Gene Alias	-
Gene Description	deoxyribonuclease I
Gene Ontology	<a href="#">Hyperlink</a>
Other Designations	-