

Native Bovine Deoxyribonuclease I

Cat. No. NATE-1875

Lot. No. (See product label)

Introduction

Description Deoxyribonuclease I (usually called DNase I), is an endonuclease coded by the human gene DNASE1. DNase I is a nuclease that cleaves DNA preferentially at phosphodiester linkages adjacent to a pyrimidine nucleotide, yielding 5'-phosphate-terminated polynucleotides with a free hydroxyl group on position 3', on average producing tetranucleotides. It acts on single-stranded DNA, double-stranded DNA, and chromatin. In addition to its role as a waste-management endonuclease, it has been suggested to be one of the deoxyribonucleases responsible for DNA fragmentation during apoptosis.

Synonyms DNASE1; deoxyribonuclease I; deoxyribonuclease-1; DNase I; 9003-98-9; EC 3.1.21.1; DNase; thymonuclease, dornase; dornava; dornavac; pancreatic deoxyribonuclease; deoxyribonuclease (pancreatic); DNAase; deoxyribonucleic phosphatase; alkaline deoxyribonuclease; alkaline DNase; endodeoxyribonuclease I; DNA depolymerase; deoxyribonuclease A; DNA endonuclease; DNA nuclease

Product Information

Species	Bovine
Source	Bovine Spleen
Form	Freeze-dried powder
EC Number	EC 3.1.21.1
CAS No.	9003-98-9
Purity	90% (biuret)
Activity	200 U/mg protein
Solubility	Distilled water or dilute buffer
Unit Definition	The amount of enzyme which results in an increase in absorbance at 260 nm and 0.001 per minute per ml at 25°C at pH 5.00.

Storage and Shipping Information

Storage Store at -20° C