
Product Data Sheet

Product Name: DNase Bovine

Cat. No.: GP21439

Batch No.: 1

Product Data

Purity >98% Source Extracted from Pancreas.

Physical Appearance solid Shipping Condition Shipped at Room temp.

Synonyms EC 3.1.21.1; Deoxyribonuclease I; DNase I; DNL1; DRNI; FLJ38093; DNASE1; Deoxyribonuclease-1.

Formulation

Introduction

Deoxyribonuclease I Bovine (bDNase), an enzyme which selectively cleaves DNA. Bovine Dnase is an endonuclease enzyme which splits phosphodiester linkages within polynucleotides, acting primarily on single stranded DNA (ssDNA), double stranded DNA (ddDNA) and chromatin. Dnase is activated by bivalent metals such as Mg⁺² and Ca⁺². Dnase enzymes are common reagents used in biochemical methods requiring digestion of DNA and recovery of RNA, or where DNA is to be removed without affecting structural proteins or enzymes. Dnase enzymes are also used in tissue culture to digest DNA from damaged cells, resulting in reduced viscosity, and for removal of membrane-bound DNA fragments.

Caution: Product has not been fully validated for medical applications. For research use only.

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