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32-2183: Bovine DNase

Alternative Name : EC 3.1.21.1,Deoxyribonuclease I,DNase I,DNL1,DRNI,FLJ38093,DNASE1,Deoxyribonuclease-1.

Description

Source : Extracted from Pancreas. Deoxyribonuclease I Bovine (bDNase), an enzyme which selectively cleaves DNA. Bovine Dnase is an endonuclease enzyme which splits phosphodiester linkages within polynucleotides, acting primarely 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 diestion 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.

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