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32-2278: DNase Recombinant Protein

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

Description

Source : Chinese Hamster Ovary Cells. Deoxyribonuclease I Human Recombinant produced in CHO is a glycosylated, polypeptide chain containing 260 amino acids and having a total molecular mass of 37,000 Dalton with a molecular formula of C1321H1995O396S9.DNase is purified by proprietary chromatographic techniques. Deoxyribonuclease I Human Recombinant (rhDNase), an enzyme which selectively cleaves DNA. Recombinant Human 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.

Product Info

Amount :	1500 lU
Content :	Each mg contains 150 µg calcium chloride dehydrate and 8.77 mg NaCl.
Storage condition :	2 years when stored at 4°C, three weeks at 15°C, pH-6.3.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.