

## DNase Human

**Description:** 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.

**Catalog #:** ENPS-326

For research use only.

**Synonyms:** EC 3.1.21.1, Deoxyribonuclease I, DNase I, DNL1, DRNI, FLJ38093, DNASE1.

**Source:** Chinese Hamster Ovary Cells.

**Physical Appearance:** Sterile liquid colorless solution at a concentration of 1mg/ml.

**Formulation:**

Each mg contains 150

**Stability:**

2 years when stored at 4°C, three weeks at 15°C, pH-6.3.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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 primarily on single stranded DNA (ssDNA), double stranded DNA (ddDNA) and chromatin. Dnase is activated by bivalent metals such as Mg<sup>+2</sup> and Ca<sup>+2</sup>. 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.

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