# Deoxyribonuclease I Active Protein | DNase active protein

Recombinant Human Deoxyribonuclease I

| CATALOG # | HOST |
|---|---|
| **AAA38277** | **Chinese Hamster Ovarian Cells** |

## PRODUCT SYNONYMS

Deoxyribonuclease I; Recombinant Human Deoxyribonuclease I; DNase Human; Deoxyribonuclease I Human Recombinant; EC 3.1.21.1; DNase I; DNL1; DRNI; FLJ38093; DNASE1; DNase active protein

## PRODUCT SPECIFICATIONS

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| **Host** | Chinese Hamster Ovarian Cells |
| **Form/Format** | (1mg/mL) Each mg contains 150 ug calcium chloride dehydrate and 8.77 mg NaCl. |
| **Sequence Length** | 282 |
| **Unit Definition** | Dnase is generally assayed according to the photometric method developed by Kunitz. One Dnase unit results in an increase in absorbance at 260nm of 0.001/minute at 25 degree C when acting upon highly polymerized solution of DNA at pH-5. Also 0.005 Kunitz unit digests 1 ug of lambda phage DNA in 10 minutes at 37 degree C in50mM Tris, 1mMMg++, pH 7.8 in a 50ul reaction. |
| **Specific Activity** | 1000IU/1mg. |
| **Physical Appearance** | Sterile liquid colorless solution. |
| **Preparation and Storage** | 2 years when stored at 4 degree C, three weeks at 15 degree C, pH-6.3. |

## ADDITIONAL INFORMATION

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| **Related Product Information for DNase active protein** | **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 $C_{1321}H_{1999}O_{339}S_{9}$.DNase is purified by proprietary chromatographic techniques |
| **Product Categories/Family for DNase active protein** | Enzymes; Nuclease |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GI #** | 21361254 |
| **NCBI GeneID** | 1773 |
| **NCBI Accession #** | NP_005214.2 |
| **NCBI GenBank Nucleotide #** | NM_005223.3 |
| **UniProt Accession #** | P24855; Q14UU9; Q14UV0; B4DV35 |
| **NCBI Official Full Name** | deoxyribonuclease-1 |
| **NCBI Official Synonym Full Names** | deoxyribonuclease I |
| **NCBI Official Symbol** | DNASE1 |
| **NCBI Official Synonym Symbols** | DNL1; DRNI |
| **NCBI Protein Information** | deoxyribonuclease-1; DNase I, lysosomal; Dornase alfa; human urine deoxyribonuclease I |

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| **UniProt Protein Name** | Deoxyribonuclease-1 |
| **UniProt Gene Name** | **DNASE1** |
| **UniProt Synonym Gene Names** | DNL1; DRNI; DNase I |
| **UniProt Entry Name** | DNAS1_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/chinese-hamster-ovarian-cells-dnase-active-protein/deoxyribonuclease-i/38277