Creative Enzymes
Diagnostic Enzymes

# DNase I

## Product Information

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| **Cat#** | DIA-691 |
| **Descriptions** | DNase I is a calcium-dependent endonuclease that randomly degrades double-stranded DNA into 5'-phosphorylated oligonucleotide fragments, is commonly used to remove genomic DNA contamination in RNA and protein samples, and supports molecular biology and cell biology research. |
| **Applications** | DNase I is used for genomic DNA contamination removal detection kits and nucleic acid sample purification reagent development. |
| **CAS No.** | 9003-98-9 |
| **Enzyme Commission Number** | EC 3.1.21.1 |
| **Enzyme Source** | This product is rombinantly expressed by Escherichia coli deoxyribonuclease I (I). This endonuclease. |
| **Synonyms** | DeoxyribonucleaseIfromBovinePancreas (Filtered); CHRYSENENEAT; Deoxyribonueleasel (Dnasel); BENZO (A)PYRENE50UG/MLINTOLUENE; DeoxyribonucleaseIfromBovinePancreas (RibonucleChemicalbookase&ProteaseFree); DeoxyribonucleaseIfrombovinepancreas (Recombinant); DEOXYRIBONUCLEASEIFROMBOVINEPANCREASSTANDARDIZ |
| **Activity Definition** | One unit refers to the amount of enzyme required to completely degrade 1 μg of pBR322 DNA in 10 minutes at 37°C. |

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