GMP Grade Bioactive

Deoxyribonuclease I

Catalog # DM0012 Size 20 kU

Specification

Product Description	Deoxyribonuclease I (DNase I) can randomly degrade single stranded or double stranded DNA with equal efficiency, generating oligonucleotides with 5'-P.
Form	Liquid
Purity	95% ≤
Activity	1.8 KU/mL to 2.2 KU/mL
Recommend Usage	Synthesis of RNA without any DNA. Remove DNA contamination, gDNA for example, in RNA sample for RT-PCR reaction. Remove DNA template after IVT reaction catalyzed by RNA polymerase. With the presence of Mn^{2+}, fragmentize DNA, generating random DNA fragment library. In Apoptosis TUNEL detection, cleavage of gDNA for positive control. The optimal working dilution should be determined by the end user.
Regulatory Status	GMP grade
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- In vitro Transcription

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