Creative Enzymes
Diagnostic Enzymes

Ribonuclease A (RNase A) from Bovine Pancreas

Product Information

Cat#	EXWM-5833
Source	Bovine pancreas
Description	RNase A is a small, stable endoribonuclease (ca. 13.7 kDa) that specifically cleaves single-stranded RNA at pyrimidine residues. It is widely used to remove RNA during DNA purification. Activity depends on salt concentration: at low salt, RNase A can cleave ssRNA, dsRNA, and RNA-DNA hybrids; at high salt, activity is restricted to ssRNA. Recommended working concentration: 1–100 μg/mL.
Activity	≥ 80 Kunitz U/mg
Storage	−25 °C to −15 °C
Synonyms	RNase A
Enzyme Commission Number	EC 3.1.27.5
Applications	Mainly for removing RNA during the preparation of plasmid DNA or genomic DNA. The presence or absence of DNase activity during this preparation process is one of the contamination issues that need to be taken seriously. The traditional method of boiling in water can be used to inactivate the DNase activity. Additionally, this product can also be used in molecular biology experiments such as RNA enzyme protection analysis and RNA sequence analysis.
Notes	Expiration date: 36 months
Package	100 mg/1 g/5g /10 g

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