

PRODUCT INFORMATION

RNase A

v. 241101

Catalog number	C09012-100MG
Package	100 mg
Description	<p>RNase A (Ribonuclease A) is a small, stable endonuclease derived from bovine pancreas that catalyzes the hydrolysis of single-stranded RNA by cleaving at the 3' end of pyrimidine residues. This reaction occurs without the need for metal ions or cofactors, making RNase A a highly efficient model for studying enzyme stability, protein folding, and catalytic mechanisms. Due to its specificity for pyrimidines and robust structure, RNase A is widely used in biomedicine and biochemistry research, as well as for understanding RNA processing and degradation.</p>
Species of Origin	Bovine pancreas
Activity	>80 U/mg
Form	Lyophilized
Unit Definition	One unit of RNase A is defined as the amount of enzyme that can degrade RNA at 25°C, resulting in an increase of 1.0 absorbance unit at 260 nm
Stability & Storage	<p>This product is stable after storage at:</p> <ul style="list-style-type: none">● -20°C for 12 months in lyophilized state from date of receipt.● -20°C or -80°C for 1 month under sterile conditions after reconstitution. <p>Avoid repeated freeze/thaw cycles.</p>
Reconstitution	It is recommended to reconstitute the lyophilized protein in DEPC-treated water to a concentration range of 10–100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

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