

Manual

RNase

RNase A, DNase-free. Concentration 10 mg/ml.

catalog #	size
1006-10	1 ml
1006-50	5 x 1 ml

For research use only.

Guarantee

A&A Biotechnology provides guarantee on this product.
The company does not guarantee correct performance of this kit in the event of:

- not adhering to the supplied protocol
- use of not recommended equipment or materials
- use of other reagents than recommended or which are not a component of the product
- use of expired or improperly stored product or its components



Description

RNAse A (E.C. 3.1.27.5, 13,7 kDa) is an endoribonuclease that specifically degrades ssRNA at C and U residues. The enzyme is active depending on the reaction conditions. At low salt concentration (<100 mM NaCl) RNAse cleaves ssRNA, dsRNA and RNA in DNA-RNA complex. At high salt concentration (>300 mM NaCl) RNAse specifically cleaves ssRNA only.

Enzyme is purified from bovine pancreas extracts. RNAse A may be used to degrade RNA in applications that are sensitive to the presence of DNAses.

Application

- removal of RNA from recombinant protein preparation.
- mapping single-base mutation in DNA or RNA.
- plasmid and genomic DNA preparation.

Contents

	1006-10	1006-50	storage
RNAse	1 ml (10 mg/ml)	5 x 1 ml (10 mg/ml)	-20 °C
storage buffer:	200 mM acetate buffer, pH 5.0, 50% glycerol (v/v)		

If a precipitate is visible after thawing the enzyme, mix it by vortexing.

RNAse inactivation: phenol-chloroform extraction.

RNAse does not lose activity during 10 min incubation at 75 °C.



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