

## RNase A , $\geq 50$ Kunitz units/mg protein

Cat No : YT9055

Size : 50 mg

# Ribonuclease A from bovine pancreas

Type I-A, powder,  $\geq 60\%$  RNase A basis (SDS-PAGE),  $\geq 50$  Kunitz units/mg protein

Synonym: Pancreatic Ribonuclease, RNase A, Ribonuclease 3'-pyrimidinooligonucleotidohydrolase

## Description

### Features and Benefits

- RNase protection assays
- Remove unspecifically bound RNA
- Analysis of RNA sequences
- Hydrolyze RNA contained in protein samples
- Purification of DNA

### Preparation Note

Salt fractionated and chromatographically purified.

### Application

Ribonuclease A is used to remove RNA from DNA plasmid preparations and protein samples. It is also used in RNA sequence analysis and protection assays. RNase has been used as a tool for computer-aided drug design [1].

Ribonuclease A is used to remove RNA from DNA plasmid preparations and protein samples. It is also used in RNA sequence analysis and protection assays.

### Biochem/physiol Actions

Ribonuclease A is an endoribonuclease that cleaves single stranded RNA after pyrimidine nucleotides. It attacks at the 3' phosphate end. Ribonucleases do not hydrolyze DNA, because the DNA lacks 2'-OH groups essential for the formation of cyclic intermediates. RNase can also hydrolyze RNA from protein samples. RNase A can be inhibited by alkylation of His<sup>12</sup> and His<sup>119</sup> and activated by potassium and sodium salts.