

DESCRIPTION

RNase A (Ribonuclease A) is a single chain polypeptide with 4 disulfide bridges. It is an endoribonuclease that specifically cleaves single stranded RNA at C and U residues. It cleaves the phosphodiester bond between the 5'-ribose of a nucleotide and the phosphate group attached to the 3'-ribose of an adjacent pyrimidine nucleotide. The resulting 2', 3'-cyclic phosphate is hydrolyzed to the corresponding 3'-nucleoside phosphate.

APPLICATIONS

- Plasmid and genomic DNA preparation.
- Removal of RNA from recombinant protein preparations.
- Ribonuclease protection assays. Used in conjunction with RNase T1.
- Mapping single-base mutations in DNA or RNA.

ENZYME SOURCE

- Bovine Pancreas

CONCENTRATION

10 mg/mL

PACKAGE SIZE

Catalog	Volume	Store
TBS6024-01	1 mL	-20°C
TBS6024-05	5 mL	-20°C

STORAGE CONDITIONS

The product is shipped on blue ice and stored at -20°C for long-term storage. Shelf life of 12 months after receipt.

For research use only.