

RNase A, lyophilized powder

RUO For Research Use Only

REF W6060

DESCRIPTION

RNase A, isolated from bovine pancreas is an endoribonuclease that specifically degrades 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.

PROPERTIES

- Source: bovine pancreas
- Specific activity: >2500 u/mg protein (>50 Kunitz units/mg protein)
- Molecular Weight: 13.7 kDa monomer
- The working concentration for RNase A is 1-100 µg/ml depending on the application.

STORAGE CONDITIONS

- Store at -20°C recommended.
- Expiration : 2 years if kept below -20°C.
- Dilution Buffer: none specific, distilled water recommended.

APPLICATION

- Plasmid and genomic DNA preparation
- Removal of RNA from recombinant protein preparations.
- Ribonuclease protection assays

QUALITY CONTROL ANALYSIS:

The absence of endodeoxyribonucleases, exodeoxyribonucleases and proteases confirmed by appropriate quality tests. Functionally tested for RNA digestion in a plasmid DNA purification procedure.

ORDERING INFORMATION

Product	Cat No.	Package
RNase A, lyophilized powder	W6060	3 mg

Technical Support



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