



NZY RNase A

Catalogue number:

MB18701, 100 mg

Description

The major application for NZY RNase A is the removal of RNA from preparations of plasmid or gDNA. It can also be used to remove RNA from recombinant protein preparations. NZY RNase A, DNase and protease-free, 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. NZY RNase A is a highly stable enzyme with an optimum temperature of 60 °C (activity range 15-70 °C) and optimum pH of 7.6 (activity range 6-10).

Source

Bovine Pancreas.

Molecular weight

13.7 kDa monomer.

Preparation instructions

NZY RNase A may be dissolved in water or 50 mM Tris buffer (pH 7.4) in concentrations ranging from 1-10 mg/mL. Recommended final concentration of NZY RNase A is 1-100 µg/mL depending on the application.

Storage conditions

The protein remains stable for at least 3 years if stored at -20 °C.

Shipping conditions

Room temperature.

Product life

This product has a stable shelf-life of 3 years.

V1901



nzytech

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