MB187_UG_EN_V2402

NZY RNase A

Catalogue number	Presentation
MB18701	100 mg

Description

The major application for NZY RNase A is the removal of RNA from preparations of plasmid or genomic DNA. 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).

Shipping & Storage Conditions

This product is shipped at room temperature. Upon receipt, this product can be stored at -20 °C and is stable till the expiry date if stored as specified.

Specifications

Source: Bovine Pancreas.

Molecular weight: 13.7 kDa monomer.

RNase activity: 120 U/mg

Instructions for preparation

NZY RNase A may be dissolved in water or 50 mM Tris buffer (pH 7.4) in concentrations ranging from 1-40 mg/mL. Final concentration of NZY RNase A depends on the application.