RNase A (Powder)

Cat. No. : RM21314

Product Components

Components	Component Number	Size-1	Size-2
RNase A (Powder)	RM21314	100 mg	1 g

Product Description

Ribonuclease A (RNase A), molecular weight 13.7 kDa, is an endonuclease that specifically acts on the 3' end of the pyrimidine residue on RNA, cleaving phosphodiester bonds formed with adjacent nucleotides, and the final product of the reaction is pyrimidine 3' phosphate and an oligonucleotide with pyrimidine 3' phosphate at the end. RNase A does not work on DNA and is often used to remove RNA from DNA products, such as during plasmid DNA or genomic DNA preparation.

This product is in the form of white lyophilized powder. Its recommended working concentration is 1-100 μg/mL, which will vary depending on specific applications.

Source

Bovine pancreas

Storage

Ice pack transport, stored in a dry environment at -20℃

Solubility

10 mg/mL, soluble in pure water, clear and transparent

Enzyme activity

≥ 50 Kunitz units/mg protein

Recommended method of preparation of storage solution

Preparation of 10 mg/mL RNase A solution: 10 mM Tris, pH 7.0, 1 mM EDTA, 1 mM DTT, 1 mM PMSF, 40% (v/v) glycerol , aliquot and store at -20℃, which can be stably stored for 2 years.