



RNase H (60 U/ μ L)

Product description

RNase H (ribonuclease H) is an endoribonuclease that specifically hydrolyzes the phosphodiester bonds of RNA on hybrid DNA/RNA strands, but will not hydrolyze phosphates in single- and double-stranded DNA or RNA diester bond.

Components

Components No.	Name	14522ES03	14522ES10
14522	RNase H (60 U/ μ L)	1 mL	10 mL

Specifications

Enzyme	RNase
Product Type	Ribonuclease H
Concentration	60 U/ μ L

Shipping and Storage

The product is shipped with dry ice and can be stored at -15°C ~ -25°C for two years.

Instructions

1. Definition of enzymatic activity.

In 50 μ L reaction system, the amount of enzyme required to hydrolyze the RNA-DNA hybrid strand to generate 1 nmol of ribonucleotides was defined as 1 U at 37°C for 20 min.

2. Applications.

- 1) Remove mRNA before cDNA double-strand synthesis
- 2) In RT-PCR/RT-qPCR experiments, remove RNA after the synthesis of one strand of cDNA
- 3) Remove poly(A) after Oligo(dT) hybridizes with mRNA
- 4) Cleavage of RNA-specific sites

Notes

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. This product is for research use ONLY!