



## RNase H, Recombinant

Product Number: RN01

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### Shipping and Storage

-20°C.

### Components

Component	RN01
	600U
RNase H, Recombinant, 60U/μl	10μl
5×RNase H Reaction Buffer	300μl

### Description

RNase H, Recombinant is a ribonucleic acid endonuclease that specifically breaks down RNA strands in RNA DNA hybrids, and cannot digest single or double stranded DNA. This product can be used for the detection of DNA-RNA hybrids, removing mRNA during the synthesis of the second strand of cDNA, and removing the poly (A) tail of mRNA hybridized to poly (dT).

### Features

This product is a thermally stable RNase H enzyme that still exhibits RNase H activity after incubation at 70°C or above for 10 minutes.

### Unit definition

Using poly (rA)-poly (dT) as the substrate, the enzyme required to produce 1nmol of acid soluble substance within 20 minutes at 37°C is defined as 1 active unit (U)

### Storage Buffer

Tris-HCl (pH7.5) 25mM, NaCl 30mM, DTT 1mM, EDTA 0.5mM, Glycerol 50%.

### Protocol

1. Taking RNA degradation in DNA-RNA heterozygotes as an example, configure 20μl Reaction system.

Reagent	Volume
DNA-RNA hybrid	10 ng-1μg
5×RNase H Reaction Buffer	4μl
RNase H, Recombinant (60U/μl)	0.3μl
RNase-Free Water	up to 20μl

2. React at 37°C for 30 minutes.

### Note

This product is a thermally stable RNase H enzyme that still exhibits RNase H activity after incubation at 70 ° C or above for 10 minutes.