

## Murine RNase Inhibitor

**Catalog Number** LDG0018RI

**Package** 4 KU / 20 KU / Customized package

For full product information, images and publications, please visit [our website](#).



### Overview

#### Description

Murine RNase Inhibitor effectively inhibits various RNases (RNase A, B, C). Its superior antioxidant activity, due to the absence of two oxidation-sensitive cysteine residues found in human inhibitors, makes it ideal for DTT-sensitive experiments like qPCR. Additionally, it is free from DNase, RNase, and Nickase contaminants, ensuring RNA sample integrity.

### Specifications

#### Expression System

Escherichia coli

#### Storage Buffer

20 mM HEPES-KOH, 50 mM KCl, 8 mM DTT, 50% glycerol, pH 7.6

#### Unit Definition

One unit is defined as the amount of Murine RNase Inhibitor required to inhibit the activity of 5 ng of RNase A by 50%. Activity is measured by the inhibition of hydrolysis of cytidine 2', 3'-cyclic monophosphate by RNase A.

#### Concentration

40 U/ $\mu$ L

#### Purity

>95% as determined by SDS-PAGE analysis.

#### Form

Liquid

### Instruction

#### Tainan Headquarter

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#### Innovation & Research Center

+886-2-27065528

#### CLD Center

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### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

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### Stability & Storage

This product is stable after storage at:

- 2-8°C for 2 weeks under sterile conditions from date of receipt.
- -20°C or -80°C for 12 months under sterile conditions from date of receipt.

Avoid repeated freeze/thaw cycles.

Suggestion: Divide antibody into several vials.

Keep only vials for usage at 2-8°C.

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