

LeadGMP® Murine RNase Inhibitor

Catalog Number	LDG006R-GMP
Package	40 KU / Customized package

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



Specifications

Species of Origin

Mouse

Expression System

Escherichia coli

Concentration

40 U/ μ L

Storage Buffer

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

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 50 kDa.
The protein migrates as 45 kDa under reducing condition (SDS-PAGE analysis).

Activity

One unit is defined as the amount of Murine RNase Inhibitor required to inhibit the activity of 5 ng of RNase A by 50%.

Endotoxin Level

<0.1 EU per 1 μ g of the protein by the LAL method.

Mycoplasma

Not detected

Form

Liquid

Background

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Background

Murine RNase Inhibitor is a recombinant protein derived from mice, expressed in *E. coli*. It binds noncovalently to RNases A, B, and C in a 1:1 ratio, effectively inhibiting their activity and protecting RNA from degradation. This inhibitor is commonly used in molecular biology applications to maintain RNA integrity during experiments.

Instruction

Shipping

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

Manufacturing Specifications

LeadGMP® recombinant proteins are manufactured in ISO 13485:2016 and GMP certified facility. The processes include:

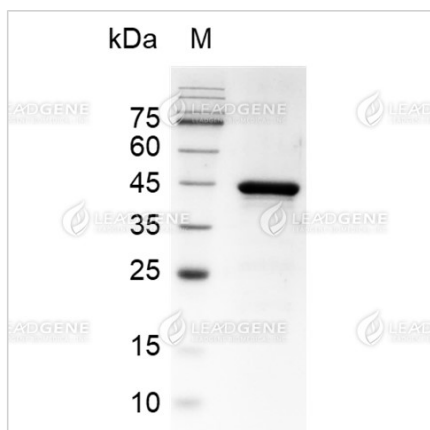
- Animal-free reagent and laboratory
- Manufactured and tested under GMP guideline
- Testing and traceability of raw material
- Records of the maintenance and equipment calibration
- Personnel training records
- Batch-to-batch consistency
- Documentation of QA control and process changes
- Manufactured and tested under an ISO 13485:2016 certified quality management system
- Stability monitor of product shelf-life

Stability & Storage

This product is stable after storage at:

- -20°C for long-term storage under sterile conditions. Avoid repeated free-thaw cycles.

Image



SDS-PAGE analysis of LeadGMP®
Murine RNase Inhibitor.

Disclaimer : For Research Use or Further Manufacturing Only.