

## RiboGone™ - Mammalian

**Catalog Nos.**

634846  
634847

**Amount**

6 rxns  
24 rxns

**Lot Number**

Specified on product label.  
Specified on product label.

### Description

RiboGone - Mammalian allows for the specific removal of rRNA sequences (5S, 5.8S, 18S, and 28S), as well as mitochondrial rRNA sequences (12S), from human, mouse, or rat total RNA. This kit is designed for use with limited sample amounts (10–100 ng of total RNA) and works with high- or low-quality RNA. Samples processed using the RiboGone kit are ready for cDNA synthesis with random primers.

### Package Contents

<u>634846</u> (6 rxns)	<u>634847</u> (24 rxns)	
6 µl	24 µl	5X RiboGone Hyb Buffer
12 µl	48 µl	RNase H
6 µl	24 µl	10X RNase H Buffer
24 µl	96 µl	DNase I (5 U/µl)
24 µl	24 µl	RNase Inhibitor (40 U/µl)
84 µl	84 µl	Nuclease-Free Water
300 µl	300 µl	RiboGone Purification Buffer

### Storage Conditions

- Store all components at –20°C.

### Shelf Life

- 1 year from date of receipt under proper storage conditions.

### Shipping Conditions

- Dry ice (–70°C)

### Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)

The following documents apply to this product:

- RiboGone - Mammalian Protocol-At-A-Glance

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**Takara Bio USA, Inc.**

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## Quality Control Data

A sample kit from each lot was tested as follows: 30 ng of Mouse Liver RNA was treated with RiboGone as described in the RiboGone - Mammalian Protocol-At-A-Glance. Afterwards, 8  $\mu$ l of rRNA-cleared RNA was converted to cDNA using the SMARTer® Stranded RNA-Seq Kit with the following protocol modification: the RNA was sheared for 4 minutes and 15 cycles of PCR were performed. The resulting library was run on an Agilent BioAnalyzer and a High Sensitivity DNA Kit (Agilent, Cat. No. 5067-4626) and confirmed to be between 200–1,000 bp in length at a concentration of between 500–3,000 pg/ $\mu$ l. The libraries were then normalized to 500 pg/ $\mu$ l, and qPCR was performed for the actin and 28S loci. Delta Ct measurement confirmed that the 28S locus was sufficiently decreased relative to actin.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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### STATEMENT 246

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