

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 at –20°C.

Expiration Date

- Specified on product label.

Shipping Conditions

- Dry ice

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- RiboGone - Mammalian Protocol-At-A-Glance

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 μ 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 min and 15 cycles of PCR were performed. The resulting library was run on an Agilent BioAnalyzer and a High Sensitivity DNA Kit (Agilent Technologies, Cat. No. 5067-4626) and confirmed to be between 200–1,000 bp in length at a concentration of between 500–3,000 pg/ μ l. The libraries were then normalized to 500 pg/ μ l, and qPCR was performed for the actin and 28S loci. ΔC_t 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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Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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STATEMENT 246

This product is protected by U.S. Patent 9,428,794, and additional pending US and foreign patents. For further license information, please contact a Takara Bio USA licensing representative by email at licensing@takarabio.com.

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