

## ZapR® Mammalian rRNA Depletion Kit

Catalog Nos.	Amount	Lot Number
634369 (Not sold separately) Sold as part of 634354, 634357 & 634360	24 rxns	Specified on product label.
634370 (Not sold separately) Sold as part of 634355, 634356, 634358, 634359, 634361 & 634362	96 rxns	Specified on product label.

### Description

ZapR Mammalian rRNA Depletion Kit removes cDNA sequences corresponding to mature mammalian ribosomal RNAs (rRNA; 28S, 18S, 5.8S, 5S) and human mitochondrial (mt) rRNA (m12S and m16S) from preamplified double-stranded cDNA libraries. Proprietary R-Probes first hybridize to mammalian and human mt rRNA sequences, followed by the ZapR Enzyme-mediated removal of these sequences from the cDNA library. Please note that this kit will not remove non-human mt rRNA sequences.

### Package Contents

#### Package 1:

<u>634369</u>	<u>634370</u>	
(24 rxns)	(96 rxns)	
40 µl	160 µl	R-Probes
5 µl	5 µl	Control Total RNA (1 µg/µl)

#### Package 2:

<u>634369</u>	<u>634370</u>	
(24 rxns)	(96 rxns)	
75 µl	300 µl	ZapR Enzyme
100 µl	400 µl	ZapR Buffer (10X)

### Storage Conditions

- Store Package 1 components at  $-70^{\circ}\text{C}$ .
- Store Package 2 components at  $-20^{\circ}\text{C}$ .
- Do not freeze/thaw R-Probes more than three times. We recommend aliquoting into multiple vials to avoid repeated freeze/thaw cycles.

### Expiration Date

- Specified on product label.

### Shipping Conditions

- Dry ice

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#### Takara Bio USA, Inc.

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# Certificate of Analysis

ZapR Mammalian rRNA Depletion Kit

Cat. Nos. 634369 & 634370

Sold as part of 634354–634362

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## Product Documents

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

The following documents apply to this product:

- SMART-Seq Total RNA Pico Input (with UMIs) (ZapR Mammalian) User Manual
- SMART-Seq Total RNA Pico Input (ZapR Mammalian) User Manual
- SMART-Seq Total RNA Single Cell (ZapR Mammalian) User Manual

## Quality Control Data

To assess the quality of the reagents in the ZapR Mammalian rRNA Depletion Kit, 10 ng of Control Total RNA (Human Brain) was converted to an Illumina®-ready sequencing library with SMART-Seq® Total RNA Pico Input (with UMIs) as described in the SMART-Seq Total RNA Pico Input (with UMIs) (ZapR Mammalian) User Manual, using 5 cycles in the PCR1 step and 18 cycles in the PCR2 step. Purified libraries were quantified using the Qubit 2.0 Fluorometer (Life Technologies) with a dsDNA HS Assay Kit and library concentration was determined to be at least 2.5 ng/μl. Libraries were then diluted to 1 ng/μl, and 1 μl of the dilution was analyzed with an Agilent Bioanalyzer and High Sensitivity DNA Kit (Agilent, Cat. No. 5067-4626). The Bioanalyzer electropherogram showed a broad size distribution from 200–1,000 bp with an average size in the 300–500 bp range. The libraries were sequenced on an Illumina platform and confirmed to contain ≤20% of the reads mapping to rRNA (5S, 5.8S, 18S, and 28S) and to human mt rRNA (m12S and m16S).

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

## ZapR® Mammalian rRNA Depletion Kit

### CATALOG NOS.

634369 & 634370

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### STATEMENT 395

This Product is protected by one or more patents from the family consisting of: US10150985, CA2939621, People's Republic of China Patent: ZL201480077658.0, US10988796, DE602014058059.9, EP3105325, FR3105325, UK3105325, JP6416939 and any corresponding patents, divisionals, continuations, patent applications and foreign filings sharing common priority with the same family. Additional information may be found at <https://www.takarabio.com/patents>.

### STATEMENT 425

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2/19/2025

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## STATEMENT 450

This Product is sold under license from JumpCode Genomics, Inc., and is covered by one or more of the following US patents and foreign counterparts as well as pending US and foreign patent applications: 10,604,802; 11,708,606; 11,761,039; PCT/US2015/014242; CA2938669; EP 20192599.7; HK402021031164.3.

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