

SMART-Seq® Total RNA Pico Input

Catalog Nos.	Amount	Lot Number
634365 (Not sold separately; sold as a part of 634357)	24 rxns	Specified on product label.
634366 (Not sold separately; sold as a part of 634358 & 634359)	96 rxns	Specified on product label.

Description

SMART-Seq Total RNA Pico Input, sold as part of SMART-Seq Total RNA Pico Input (ZapR® Mammalian) (Cat. Nos. 634357–634359), is used in conjunction with the ZapR Mammalian rRNA Depletion Kit to generate strand-specific RNA-seq libraries for Illumina® sequencing from 250 pg–10 ng input of purified total RNA. This kit incorporates Takara Bio's proprietary SMART® (Switching Mechanism at the 5' end of RNA Template) technology and includes refinements to the SMARTer® method for stranded RNA-seq that simplify the library preparation workflow and improve sequencing performance.

Package Contents

Package 1:

634365 (24 rxns)	634366 (96 rxns)	
110 µl	450 µl	SMART TSO Mix v2*

Package 2:

634365 (24 rxns)	634366 (96 rxns)	
30 µl	110 µl	SMART Pico Oligos Mix v2*
100 µl	400 µl	5X First-Strand Buffer
50 µl	200 µl	SMARTScribe™ Reverse Transcriptase (100 U/µl)
30 µl	100 µl	RNase Inhibitor (40 U/µl)
100 µl	2 x 200 µl	SeqAmp™ DNA Polymerase
2 x 1.25 ml	10 ml	SeqAmp CB PCR Buffer (2X)
1.25 ml	5 ml	Tris Buffer (5 mM)
100 µl	400 µl	PCR2 Primers v2
2 x 1.25 ml	10 ml	Nuclease-Free Water

* Takara Bio proprietary sequences

Storage Conditions

- Store Package 1 components at –70°C.
- Store Package 2 components at –20°C.

Expiration Date

- Specified on product label.

Takara Bio USA, Inc.
2560 Orchard Parkway, San Jose, CA 95131, USA
U.S. Technical Support: technical_support@takarabio.com

United States/Canada 800.662.2566 (021925)	Asia Pacific +1.650.919.7300	Europe +33.(0)1.3904.6880	Japan +81.(0)77.565.6999
--	---------------------------------	------------------------------	-----------------------------

Certificate of Analysis

SMART-Seq Total RNA Pico Input (Not sold separately)

Cat. Nos. 634365 & 634366

Sold as a part of 634357, 634358 & 634359

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:

- SMART-Seq Total RNA Pico Input (ZapR Mammalian) User Manual

Quality Control Data

To assess the quality of the reagents, 250 pg of Control Total RNA (Human Brain) was converted to an Illumina-ready cDNA sequencing library as described in the user manual, using 5 cycles in the PCR1 step and 18 cycles in the PCR2 step. Purified libraries were quantified using a Qubit 2.0 Fluorometer (Life Technologies) with a Qubit dsDNA HS Assay Kit (Thermo Fisher Scientific, Cat. No. Q32851 or Q32854), resulting in an output of at least 2 ng/μl. Libraries were diluted to 1 ng/μl, and 1 μl of the dilution was analyzed with an Agilent Bioanalyzer and High Sensitivity DNA Kit (Agilent Technology, Cat. No. 5067-4626). The Bioanalyzer electropherogram showed a broad 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 mitochondrial ribosomal RNA (m12S and m16S).

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

SMART-Seq® Total RNA Pico Input

CATALOG NOS.

634365 & 634366

NOTICE TO PURCHASER:

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.

Your use of this product is also subject to compliance with the licensing requirements, listed below if applicable, and described on the product's web page at <http://www.takarabio.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

STATEMENT 392

This Product is protected by one or more patents from the family consisting of: US10941397, People's Republic of China Patent: ZL201480057094.4, US10781443, US10954510, DE602014069266.4, EP3058104, FR3058104, UK3058104, JP6602294, SE3058104, CA2923812, and any corresponding patents, divisionals, continuations, patent applications and foreign filings sharing common priority with the same family. Information on relevant patents and licenses for this product may be found at: <https://www.takarabio.com/patents>.

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

LIMITED USE LABEL LICENSE: RESEARCH USE ONLY Notice to Purchaser: This product is the subject to a license granted to Takara Bio USA, Inc. and its Affiliates from Caribou Biosciences, Inc., and this product is transferred to the end-user purchaser ("Purchaser") subject to a "Limited Use Label License" conveying to the Purchaser a limited, nontransferable right to use the product, solely as provided to Purchaser, together with (i) progeny or derivatives of the product generated by the Purchaser (including but not limited to cells), and (ii) biological material extracted or derived from the product or its corresponding progeny or derivatives (including but not limited to cells) (collectively, the product, and (i) and (ii) are referred to as "Material") only to perform internal research for the sole benefit of the Purchaser. The Purchaser cannot sell or otherwise transfer Material to a third party or otherwise use the Material for any Excluded Use. "Excluded Use" means any and all: (a) commercial activity

Takara Bio USA, Inc.

2560 Orchard Parkway, San Jose, CA 95131, USA

U.S. Technical Support: technical_support@takarabio.com

United States/Canada

800.662.2566

Asia Pacific

+1.650.919.7300

Europe

+33.(0)1.3904.6880

Japan

+81.(0)77.565.6999

2/19/2025



including, but not limited to, any use in manufacturing (including but not limited to cell line development for purposes of bioproduction), product testing, or quality control; (b) preclinical or clinical testing or other activity directed toward the submission of data to the U.S. Food and Drug Administration, or any other regulatory agency in any country or jurisdiction where the active agent in such studies comprises the Material; (c) use to provide a service, information, or data to a third party with the sole exception of using the Material to conduct in vitro sample preparation, i.e., selectively depleting target cDNAs from a sample either by cleaving or selectively separating such target cDNAs from the sample through the use of the Materials; (d) use for human or animal therapeutic, diagnostic, or prophylactic purposes or as a product for therapeutics, diagnostics, or prophylaxis; (e) activity in an agricultural field trial or any activity directed toward the submission of data to the U.S. Department of Agriculture or any other agriculture regulatory agency; (f) high throughput screening drug discovery purposes (i.e., the screening of more than 10,000 experiments per day) as well as scale-up production activities for commercialization; (g) modification of human germline, including editing of human embryo genomes (with the sole exception of editing human embryonic stem (ES) cell lines for research purposes) or reproductive cells; (h) self-editing; and/or (i) stimulation of biased inheritance of a particular gene or trait or set of genes or traits (“gene drive”). It is the Purchaser’s responsibility to use the Material in accordance with all applicable laws and regulations. For information on obtaining additional rights, including commercial rights, please contact licensing@cariboubio.com or Caribou Biosciences, Inc., 2929 7th Street, Suite 105, Berkeley, CA 94710 USA, Attn: Licensing

TRADEMARKS:

©2025 Takara Bio Inc. All Rights Reserved.

All trademarks are the property of Takara Bio Inc. or its affiliate(s) in the U.S. and/or other countries or their respective owners. Certain trademarks may not be registered in all jurisdictions.

Takara Bio USA, Inc.

2560 Orchard Parkway, San Jose, CA 95131, USA

U.S. Technical Support: technical_support@takarabio.com

United States/Canada

800.662.2566

Asia Pacific

+1.650.919.7300

Europe

+33.(0)1.3904.6880

Japan

+81.(0)77.565.6999

2/19/2025