

SMARTer® Stranded Total RNA-Seq Kit v3 - Pico Input Mammalian

Catalog Nos.	Amount
634485	24 rxns
634486	48 rxns
634487	96 rxns
634488	192 rxns

Description

The SMARTer Stranded Total RNA-Seq Kit v3 - Pico Input Mammalian is used to generate strand-specific RNA-seq libraries for Illumina® sequencing from 10–1000 cells or 250 pg–10 ng inputs 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. The kit was specifically designed to deliver highly sensitive and reproducible data from low-input RNA while keeping the workflow short and user friendly. The incorporated UMIs (Unique Molecule Identifiers) help customers perform UMI-based correction to obtain more reliable results. The kit does not require additional rRNA removal methods and produces sequencing libraries that retain strand-of-origin information. The integrated removal of cDNAs derived from rRNA—typically present in high abundance following cDNA synthesis from total RNA inputs—makes the workflow extremely sensitive, yielding data that is highly reproducible with low mapping to rRNA.

Package Contents:

634485 (24 rxns):

- SMARTer Stranded Total RNA-Seq Kit v3 - Pico Input Mammalian Components (Cat. No. 634489; Not sold separately) [>>View Components](#)
- SMARTer RNA Unique Dual Index Kit - 24U (Cat. No. 634451) [>>View Components](#)

634486 (48 rxns):

- SMARTer Stranded Total RNA-Seq Kit v3 - Pico Input Mammalian Components (Cat. No. 634490; Not sold separately) [>>View Components](#)
- SMARTer RNA Unique Dual Index Kit - 24U (Cat. No. 634451) [>>View Components](#)

634487 (96 rxns):

- SMARTer Stranded Total RNA-Seq Kit v3 - Pico Input Mammalian Components (Cat. No. 634491; Not sold separately) [>>View Components](#)
- SMARTer RNA Unique Dual Index Kit - 24U (Cat. No. 634451) [>>View Components](#)

634488 (192 rxns):

- SMARTer Stranded Total RNA-Seq Kit v3 - Pico Input Mammalian Components (Cat. No. 634492; Not sold separately) [>>View Components](#)
- 2 x SMARTer RNA Unique Dual Index Kit - 24U (Cat. No. 634451) [>>View Components](#)

For storage conditions, please see the Certificate of Analysis supplied with each component.

Takara Bio USA, Inc.

1290 Terra Bella Avenue, Mountain View, CA 94043, USA
U.S. Technical Support: technical_support@takarabio.com

United States/Canada 800.662.2566 (082720)	Asia Pacific +1.650.919.7300	Europe +33.(0)1.3904.6880	Japan +81.(0)77.565.6999
--	---------------------------------	------------------------------	-----------------------------

Product Components List

Cat. Nos. 634485, 634486, 634487, 634488

SMARTer Stranded Total RNA-Seq Kit v3 - Pico Input Mammalian

Product Documents

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

The following documents apply to this product:

- SMARTer Stranded Total RNA-Seq Kit v3 - Pico Input Mammalian User Manual
-

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 any applicable licensing requirements described on the product's web page at [takarabio.com](https://www.takarabio.com). It is your responsibility to review, understand and adhere to any restrictions imposed by such statements

© 2020 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. Additional product, intellectual property, and restricted use information is available at [takarabio.com](https://www.takarabio.com).

This document has been reviewed and approved by the Quality Department.