SMARTer® Stranded RNA-Seq Kit

**Catalog Nos.**

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<td>634836</td>
<td>12 rxns</td>
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**Description**

The SMARTer Stranded RNA-Seq Kit includes the components needed to generate indexed cDNA libraries suitable for next-generation sequencing (NGS) on any Illumina® platform, starting from as little as 100 pg of polyA-purified or ribosomal RNA-depleted RNA. The kit consists of the SMARTer Stranded RNA-Seq Components, SeqAmp™ DNA Polymerase, and the Illumina Indexing Primer Set (PCR primers for the amplification of indexed, paired-end Illumina-compatible sequencing libraries, which enable multiplexing of NGS library analysis).

The SMARTer Stranded RNA-Seq Kit utilizes our patented SMART™ (Switching Mechanism At 5’ end of RNA Transcript) technology, coupled with PCR amplification, to generate Illumina-compatible libraries without the need for enzymatic clean-up or adapter ligations. The directionality of the template-switching reaction preserves the strand orientation of the RNA, making it possible to obtain strand-specific sequencing data from the synthesized cDNA.

**Package Contents**

**634836 (12 rxns):**
- SMARTer Stranded RNA-Seq Components (Cat. No. 634840; not sold separately) >>View Components
- Illumina Indexing Primer Set (Cat. No. 634844; not sold separately) >>View Components
- SeqAmp DNA Polymerase (Cat. No. 638504) >>View Components

**634837 (24 rxns):**
- SMARTer Stranded RNA-Seq Components (Cat. No. 634841; not sold separately) >>View Components
- 2 x Illumina Indexing Primer Set (Cat. No. 634844; not sold separately) >>View Components
- SeqAmp DNA Polymerase (Cat. No. 638504) >>View Components

**634838 (48 rxns):**
- SMARTer Stranded RNA-Seq Components (Cat. No. 634842; not sold separately) >>View Components
- Illumina Indexing Primer Set (Cat. No. 634845; not sold separately) >>View Components
- 2 x SeqAmp DNA Polymerase (Cat. No. 638504) >>View Components

**634839 (96 rxns):**
- SMARTer Stranded RNA-Seq Components (Cat. No. 634843; not sold separately) >>View Components
- 2 x Illumina Indexing Primer Set (Cat. No. 634845; not sold separately) >>View Components
- 2 x SeqAmp DNA Polymerase (Cat. No. 638504) >>View Components

For storage conditions, please see the Certificate of Analysis supplied with each component.
**Product Components List**

SMARTer Stranded RNA-Seq Kit

**Product Documents**

Documents for Clontech® products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals). The following documents apply to this product:

- SMARTer Stranded RNA-Seq Kit User Manual
- SeqAmp DNA Polymerase Protocol-At-A-Glance

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