

SMARTer® Stranded RNA-Seq Kit

Catalog Nos.	Amount
634836	12 rxns
634837	24 rxns
634838	48 rxns
634839	96 rxns

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.

Clontech Laboratories, Inc.

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Product Components List

Cat. Nos. 634836, 634837, 634838, 634839

SMARTer Stranded RNA-Seq Kit

Product Documents

Documents for Clontech® products are available for download at 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.