

SMARTer® Stranded RNA-Seq Kit HT

Catalog No.
634862

Amount
96 rxns

Description

The SMARTer Stranded RNA-Seq Kit HT includes the components needed to generate indexed cDNA libraries suitable for next-generation sequencing (NGS) on any Illumina® platform in a high-throughput manner. The kit consists of the SMARTer Stranded RNA-Seq Components, SeqAmp™ DNA Polymerase, and the Indexing Primer Set HT for Illumina (which contains 8 indexed forward PCR primers and 12 indexed reverse PCR primers for the high-throughput amplification of 96 uniquely-indexed RNA-seq libraries). This kit generates indexed, paired-end, Illumina-compatible sequencing libraries in a 96-well plate format, which enables high levels of multiplexing of NGS library analysis.

The SMARTer Stranded RNA-Seq Kit HT utilizes our patented SMART™ (Switching Mechanism At 5' end of RNA Template) technology, coupled with PCR amplification, to generate Illumina-compatible libraries without the need for enzymatic cleanup 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. The Indexing Primer Set HT for Illumina integrated into this kit makes it convenient to generate 96 uniquely-indexed libraries for Illumina sequencing.

Package Contents

- SMARTer Stranded RNA-Seq Components (Cat. No. 634843; not sold separately) >> [View Components](#)
- Indexing Primer Set HT for Illumina (Cat. No. 634863; 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 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
- SMARTer Stranded RNA-Seq Kit HT Protocol-At-A-Glance
- SeqAmp DNA Polymerase Protocol-At-A-Glance

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