

SMARTer® Ultra® Low Input RNA for Illumina® Sequencing - HV

Catalog Nos.	Amount
634820	12 rxns
634823	24 rxns
634826	48 rxns
634828	96 rxns
634830	480 rxns

Description

SMARTer Ultra Low Input RNA for Illumina Sequencing - HV allows high-quality cDNA synthesis when starting with very low input amounts of total RNA. The kit is regularly tested with 100 pg of total RNA, and has been shown (1) to perform robust cDNA synthesis with RNA from a single cell (10 pg equivalent). It includes the Advantage® 2 PCR Kit for PCR amplification and validation. The kit has been designed and validated to prepare cDNA samples for sequencing and quantitation with the Illumina HiSeq®, MiSeq®, and Genome Analyzer™ sequencing instruments. SMART® technology offers unparalleled sensitivity and unbiased amplification of cDNA transcripts, enabling a direct start from your sample. Most importantly, SMART technology enriches for full-length transcripts and maintains the true representation of the original mRNA transcripts; these factors are critical for transcriptome sequencing and gene expression analysis. This kit accommodates an input volume of up to 9 µl.

Package Contents

634820 (12 rxns):

- SMARTer Ultra Low Input RNA for Illumina Sequencing Components - HV (Cat. No. 634822; not sold separately)
- Advantage 2 PCR Kit (Cat. No. 639207)

634823 (24 rxns):

- SMARTer Ultra Low Input RNA for Illumina Sequencing Components - HV (Cat. No. 634825; not sold separately)
- 2 x Advantage 2 PCR Kit (Cat. No. 639207)

634826 (48 rxns):

- SMARTer Ultra Low Input RNA for Illumina Sequencing Components - HV (Cat. No. 634827; not sold separately)
- 1 x Advantage 2 PCR Kit (Cat. No. 639206)

634828 (96 rxns):

- SMARTer Ultra Low Input RNA for Illumina Sequencing Components - HV (Cat. No. 634831; not sold separately)
- 2 x Advantage 2 PCR Kit (Cat. No. 639206)

634830 (480 rxns):

- SMARTer Ultra Low Input RNA for Illumina Sequencing Components - HV (Cat. No. 634829; not sold separately) (*Cat. No. 634829 is shipped as 5 x Cat. No. 634831*)
- 10 x Advantage 2 PCR Kit (Cat. No. 639206)

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

Clontech Laboratories, Inc.

A Takara Bio Company

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Product Documents

Documents for Clontech® products are available for download at www.clontech.com/manuals

The following documents apply to this product:

- SMARTer Ultra Low Input RNA for Illumina Sequencing - HV User Manual
- Advantage 2 PCR Kits Protocol-At-A-Glance
- Advantage 2 PCR Enzyme System User Manual

References

1. Ramsköld, D. *et al.* (2012) *Nat. Biotechnol.* **30**(8):777–782.
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