

SMARTer® Ultra® Low Input RNA Kit for Sequencing - v3

Catalog Nos.	Amount
634848	12 rxns
634849	24 rxns
634850	48 rxns
634851	96 rxns
634852	192 rxns
634853	480 rxns

Description

The SMARTer Ultra Low Input RNA Kit for Sequencing - v3 allows direct synthesis of high-quality cDNA when starting with 1–1,000 cells or 10 pg–10 ng of total RNA. The kit has been designed and validated to prepare cDNA samples for library preparation and sequencing using the Ion Torrent or Illumina® sequencing platforms. SMART® (Switching Mechanism at 5' End of RNA Template) 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 improves on previous generations of SMARTer Ultra Low kits by simplifying the workflow, identifying more genes, and increasing the representation of GC-rich genes. It is a complete kit that supplies all required reagents, including SeqAmp™ DNA polymerase, an optimized PCR enzyme that has been verified to perform well with this kit.

Package Contents

634848 (12 rxns):

- SMARTer Ultra Low Input RNA Kit for Sequencing – v3 Components (Cat. No. 634854; not sold separately) [>>View Components](#)
- SeqAmp DNA Polymerase (Cat. No. 638504) [>>View Components](#)

634849 (24 rxns):

- SMARTer Ultra Low Input RNA Kit for Sequencing – v3 Components (Cat. No. 634855; not sold separately) [>>View Components](#)
- SeqAmp DNA Polymerase (Cat. No. 638504) [>>View Components](#)

634850 (48 rxns):

- SMARTer Ultra Low Input RNA Kit for Sequencing – v3 Components (Cat. No. 634856; not sold separately) [>>View Components](#)
- 2 x SeqAmp DNA Polymerase (Cat. No. 638504) [>>View Components](#)

634851 (96 rxns):

- SMARTer Ultra Low Input RNA Kit for Sequencing – v3 Components (Cat. No. 634857; not sold separately) [>>View Components](#)
- SeqAmp DNA Polymerase (Cat. No. 638509) [>>View Components](#)

634852 (192 rxns):

- 2 x SMARTer Ultra Low Input RNA Kit for Sequencing – v3 Components (Cat. No. 634857; not sold separately) [>>View Components](#)
- 2 x SeqAmp DNA Polymerase (Cat. No. 638509) [>>View Components](#)

Takara Bio USA, Inc.

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Product Components List

Cat. Nos. 634848, 634849, 634850, 634851, 634852, 634853

SMARTer Ultra Low Input RNA Kit for Sequencing - v3

634853 (480 rxns):

- 5 x SMARTer Ultra Low Input RNA Kit for Sequencing – v3 Components (Cat. No. 634857; not sold separately) [>>View Components](#)
- 3 x SeqAmp DNA Polymerase (Cat. No. 638509) [>>View Components](#)

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

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- SMARTer Ultra Low Input RNA Kit for Sequencing - v3 User Manual
- SeqAmp DNA Polymerase Protocol-At-A-Glance

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