

Product Components List

SMART-Seq® Human TCR (with UMIs)

Catalog No.	Amount
634779	4 x 96 rxns

Description

SMART-Seq Human TCR (with UMIs) is used to generate T-cell receptor diversity information from RNA samples or purified cells. The full kit is designed to work with a range of RNA input amounts depending on the sample type and has been shown to generate high-quality libraries from as little as 10 ng–1 µg of total RNA obtained from peripheral blood leukocytes, 20 ng–200 ng of total RNA obtained from whole blood, 1 ng–100 ng of total RNA obtained from T cells, or from 1,000–10,000 purified T cells. The kit can be used to generate data for both alpha- and beta-chain diversity, either in the same experiment or separately, leverages SMART® technology, and employs a 5' RACE-like approach to capture complete V(D)J variable regions of TCR transcripts.

The workflow incorporates unique molecular identifiers (UMIs), providing greater accuracy for clonotype identification and counting. Using the Unique Dual Index kits (Cat. Nos. 634752–634756, sold separately) the protocol can generate up to 384 multiplexed libraries that are ready for sequencing on any Illumina® platform.

Package Contents:

- 4 x SMART-Seq Human TCR (with UMIs) (Cat. No. 634781) [>>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:

- SMART-Seq Human TCR (with UMIs) User Manual

Notice to Purchaser

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

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