

Product Components List

SMARTer® Human scTCR a/b Profiling Kit

Catalog Nos.	Amount
634431	96 rxns
634432	480 rxns

Description

The SMARTer Human TCR a/b Profiling Kit enables users to analyze T-cell receptor (TCR) diversity from single T cells that have been sorted into a 96-well plate. As the name suggests, the kit can be used to generate data for both alpha- and beta-chain diversity.

The kit leverages SMART® (Switching Mechanism at 5' End of RNA Template) technology and employs a 5' RACE-like approach to capture complete V(D)J variable regions of TCR transcripts. Included in the kit are primers that incorporate Illumina®-specific adaptor sequences during cDNA amplification. The protocol generates indexed libraries that are ready for sequencing on Illumina platforms.

Package Contents

634431 (96 rxns):

- SMARTer Human scTCR a/b Profiling Kit Components (Cat. No. 634433; Not sold separately)
[>>View Components](#)
- TCR a/b Human Indexing Primer Set HT for Illumina - 12 (Cat. No. 635020; Not sold separately)
[>>View Components](#)

634432 (480 rxns):

- SMARTer Human scTCR a/b Profiling Kit Components (Cat. No. 634434; Not sold separately)
[>>View Components](#)
- TCR a/b Human Indexing Primer Set HT for Illumina - 60 (Cat. No. 634435; Not sold separately)
[>>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 Human scTCR a/b Profiling Kit User Manual

Notice to Purchaser

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

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