

# Product Components List

## In-Fusion® SMARTer® Directional cDNA Library Construction Kit

| Catalog Nos. | Amount  | Lot Number                  |
|--------------|---------|-----------------------------|
| 634933       | 10 Rxns | Specified on product label. |

### Description

The In-Fusion SMARTer Directional cDNA Library Construction Kit provides a sensitive and efficient method for producing high-quality, full-length cDNA libraries. The kit utilizes two of Takara Bio's most innovative technologies: SMART™ (Switching Mechanism At 5' end of RNA Transcript) technology coupled with PCR amplification makes it possible to generate high yields of full-length double-stranded cDNA from nanograms of poly A<sup>+</sup> or total RNA. In-Fusion cloning technology makes it easy to clone your SMARTer cDNA library into any location within any vector. You may use the pSMART2IFD Linearized Vector included in the kit, or any vector of your choice for cloning your library. Isolated clones from finished libraries can be transferred directly to any linearized expression vector for functional analysis—without the need for compatible restriction sites.

### Package Contents

- In-Fusion Snap Assembly Master Mix (Cat. No. 638948) [>>View Components](#)
- In-Fusion SMARTer PCR cDNA Synthesis Kit (Cat. No. 634934; not sold separately) [>>View Components](#)
- In-Fusion SMARTer Directional Cloning & Screening Components (Cat. No. 639632; not sold separately) [>>View Components](#)
- QuickClean Enzyme Removal Resin (Cat. No. 631770) [>>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](http://takarabio.com/manuals)

The following documents apply to this product:

- In-Fusion SMARTer Directional cDNA Library Construction Kit User Manual

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### Notice to Purchaser

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

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