

Product Components List

Guide-it™ Long ssDNA Production System v2

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|--------------------|---------------|
| Catalog No. | Amount |
| 632666 | 50 Rxns |

Description

The Guide-it Long ssDNA Production System v2 is designed to produce long single-stranded DNA (ssDNA) up to 5 kb in length for use as a repair template in knockin experiments involving CRISPR/Cas9 or other genome editing tools. ssDNA is less likely to randomly integrate into the genome and has lower toxicity than double-stranded DNA (dsDNA), resulting in improved genome editing efficiency.

This kit provides the reagents necessary to convert a dsDNA PCR product into ssDNA by selectively digesting either the sense or the antisense strand. The kit contains sufficient reagents to create 50 ssDNA strands (25 pairs of sense and antisense strands). Users supply PCR primers to amplify their template from genomic DNA directly, or they can clone their desired sequence into a plasmid which is then used as a PCR template to create dsDNA. The dsDNA then serves as starting material for the generation of ssDNA using this kit. The NucleoSpin Gel and PCR Clean-Up kit and Buffer NTC are included in this system to enable efficient purification of the ssDNA product for use in genome editing experiments.

Package Contents

- Guide-it Long ssDNA Strandase Kit v2 (Cat. No. 632667) >> [View components](#)
- 2 x NucleoSpin Gel and PCR Clean-Up (Cat. No. 740609.50) >> [View components](#)
- Buffer NTC (Cat. No. 740654.100)

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:

- Guide-it Long ssDNA Production System v2 Protocol-At-A-Glance

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

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