

Product Components List

Guide-it™ Long ssDNA Production System

Catalog No.	Amount
632644	25 rxns

Description

The Guide-it Long ssDNA Production System is designed to produce a long single-stranded DNA (ssDNA) oligo of up to 5 kb length for use as a repair template in knockin experiments using CRISPR/Cas9 or other genome editing tools. ssDNA will not randomly integrate into the genome and has lower toxicity, resulting in improved gene editing efficiency.

This kit provides the reagents necessary to convert a double-stranded (dsDNA) PCR product into a 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 is used for the generation of ssDNA using this kit. The NucleoSpin Gel and PCR Clean-Up kit is included in this system to purify the ssDNA product for use in gene editing experiments.

Package Contents

- Guide-it Long ssDNA Strandase Kit (Cat. No. 632645) >> [View components](#)
- 2 x NucleoSpin Gel and PCR Clean-Up (Cat. No. 740609.50)

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 Protocol-At-A-Glance

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

Takara Bio USA, Inc.

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