Guide-it™ Long ssDNA Production System v2

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:

Notice to Purchaser
Our products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of Takara Bio USA, Inc.

Your use of this product is also subject to compliance with any applicable licensing requirements described on the product’s web page at takarabio.com. It is your responsibility to review, understand and adhere to any restrictions imposed by such statements.

©2020 Takara Bio Inc. All Rights Reserved.
All trademarks are the property of Takara Bio Inc. or its affiliate(s) in the U.S. and/or other countries or their respective owners. Certain trademarks may not be registered in all jurisdictions. Additional product, intellectual property, and restricted use information is available at takarabio.com.

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