

Guide-it™ Ligation Components

Catalog No.

632605 (Not sold separately)
Sold as a part of Cat. Nos. 632601 & 632602

Amount

10 rxns

Lot Number

Specified on product label.

Description

The Guide-it Ligation Components are provided as part of the Guide-it CRISPR/Cas9 System (Green) (Cat. No. 632601) and the Guide-it CRISPR/Cas9 System (Red) (Cat. No. 632602). These kits are designed for simple cloning of a target sequence for single guide RNA (sgRNA) expression, for mammalian gene editing using CRISPR/Cas9 technology.

Package Contents

- 50 µl DNA Ligation Mighty Mix
- 1.5 ml Guide-it Oligo Annealing Buffer
- 10 µl Guide-it Control Annealed Oligos (100 fmol/µl)
- 10 µl Guide-it Sequencing Primer 1 (100 pmol/µl)
- 1 ml PCR Grade Water

Storage Conditions

- Store at -20°C. Avoid repeated freeze/thaw cycles.

Expiration Date

- Specified on product label.

Shipping Conditions

- Dry ice

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- Guide-it CRISPR/Cas9 System User Manual
- pGuide-it-ZsGreen1 Vector (Linear) Vector Information
- pGuide-it-TdTomato Vector (Linear) Vector Information

Quality Control Data

pGuide-it-ZsGreen1 Vector (Linear) or pGuide-it-TdTomato Vector (Linear) (2 µl) was ligated with the Guide-it Control Annealed Oligos following the protocol outlined in the Guide-it CRISPR/Cas9 System User Manual. After ligation, 10 µl of the reaction was used to transform 100 µl of Stellar™ Competent Cells, and serial dilutions were plated on LB agar + ampicillin plates for colony counting. The total number of colonies in the positive reaction (+ Annealed Oligos) was calculated to be $\geq 10,000$, whereas the negative reaction (- Annealed Oligos) yielded $\leq 3\%$ of the positive reaction. Sequence analysis using the Guide-it Sequencing Primer 1 verified that $\geq 80\%$ of the colonies from the positive reaction had a correct insert.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

Takara Bio USA, Inc.

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NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. 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 our prior written approval.

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