

## Guide-it™ Ligation Components v2

Catalog No.	Amount	Lot Number
632615 (Not sold separately) Sold as a part of Cat. Nos. 632612 & 632613	10 rxns	Specified on product label.

### Description

The Guide-it Ligation Components v2 are provided as part of the pGuide-it-sgRNA1 Vector System (Cat. No. 632612) and the Guide-it CRISPR/Cas9 Gesicle Production System (Cat. No. 632613). 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 v2 (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](http://takarabio.com/manuals)  
The following documents apply to this product:

- Guide-it CRISPR/Cas9 Gesicle Production System User Manual
- pGuide-it-sgRNA1 Vector (Linear) Vector Information

### Quality Control Data

pGuide-it-sgRNA1 Vector (Linear) (2 µl) was ligated with the Guide-it Control Annealed Oligos v2 following the protocol outlined in the Guide-it CRISPR/Cas9 Gesicle Production System User Manual. After ligation, 5 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  $\geq 5,000$ , whereas the negative reaction (- Annealed Oligos) yielded  $\leq 6.5\%$  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.

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### CATALOG NO.

632615

### 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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