

Guide-it™ Ligation Components v3

Catalog No.	Amount	Lot Number
632620 (Not sold separately) Sold as a part of Cat. Nos. 632618 & 632619	10 rxns	Specified on product label.

Description

The Guide-it Ligation Components v3 are provided as part of the AAVpro® CRISPR/SaCas9 Helper Free System (AAV2) (Cat. No. 632619) and the AAVpro CRISPR/SaCas9 Vector System (Cat. No. 632618). These kits are designed for simple cloning of a target sequence for single guide RNA (sgRNA) expression to enable 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 v3 (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:

- AAVpro CRISPR/SaCas9 Systems User Manual
- pAAV-Guide-it-1 Vector (Linear) Vector Information

Quality Control Data

2 µl of pAAVGuide-it-1 (Linear) was ligated with Guide-it Control Annealed Oligos following the protocol outlined in the Guide-it CRISPR/SaCas9 Systems 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. The total number of colonies in the positive reaction (with the annealed control oligos) was calculated to be 10,000 or more colonies, while the negative reaction (without the annealed control oligos) yielded ≤5% of the positive reaction. Sequence analysis using the Guide-it Sequencing Primer 1 verified that at least 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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CATALOG NO.

632620

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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