

## Guide-it™ Cas9 Lentiviral Transfection Mix

Catalog No.	Amount	Lot Number
632648 (Not sold separately) Sold as a part of 632646	5 vials	Specified on product label.

### Description

The Guide-it Cas9 Lentiviral Transfection Mix contains the pLVXS-EF1a-Cas9-PGK-Puro Vector in our easy-to-use Lenti-X™ Single Shots format and is sold as a part of the Guide-it CRISPR Genome-Wide sgRNA Library System. Each vial includes all the necessary plasmids and transfection reagents to generate self-inactivating lentiviral particles that express Cas9 under the *EF1-alpha* promoter in transduced target cells. Simply add water to the vial, mix well, and then add the transfection mix to Lenti-X 293T cells to produce lentiviral particles ready to transduce your target cells. The vector contains a puromycin resistance gene to enable positive selection for stably transduced cells. Cell lines expressing Cas9 produced using this system can be used for gene editing experiments, including phenotypic knockout screens.

### Package Contents

- 5 vials Guide-it Cas9 Lentiviral Transfection Mix

### Storage Conditions

- Store all components at –20°C upon receipt.
- Reconstitute each vial in tissue-culture-grade water immediately before use.

### Shelf Life

- 1 year from date of receipt under proper storage conditions.

### Shipping Conditions

- Dry ice (–70°C)

### 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 Genome-Wide sgRNA Library System User Manual
- pLVXS-EF1a-Cas9-PGK-Puro Vector Map

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# Certificate of Analysis

Cat. No. 632648

Guide-it Cas9 Lentiviral Transfection Mix (Not sold separately)

Sold as a part of 632646

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## Quality Control Data

### Transfection Test

Lenti-X 293T cells were transfected with plasmid DNA encoding *AcGFP1* as described in the Lenti-X Packaging Single Shots (VSV-G) Protocol-at-a-Glance. Forty-eight hours post-transfection, AcGFP1 expression was assessed by flow cytometry, and the transfection efficiency (as determined by the percentage of 293T cells expressing AcGFP1) was demonstrated to be >75%. The presence of virus particles in the supernatant of transfected cells was confirmed using Lenti-X GoStix™.

### Sterility Test

There was no evidence of bacterial or fungal growth after inoculation on thioglycollate medium and tryptic soy broth.

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

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### CATALOG NO.

632648

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