

Guide-it™ sgRNA In Vitro Transcription Components v2

Catalog No.	Amount	Lot Number
632637 (Not sold separately) Sold as a part of 632635 & 632636	50 rxns	Specified on product label.

Description

The Guide-it sgRNA In Vitro Transcription Components v2 are provided as part of the Guide-it sgRNA In Vitro Transcription Kit and the Guide-it Complete sgRNA Screening System. These kits are designed for generating a T7 promoter-driven, sgRNA-encoding PCR product and performing an *in vitro* transcription reaction, in order to produce single guide RNAs (sgRNAs) of interest for gene modification studies using Cas9.

Package Contents

- 50 µl Guide-it Scaffold Template (1 ng/µl)
- 350 µl Guide-it In Vitro Transcription Buffer
- 1 ml RNase Free Water
- 150 µl Guide-it T7 Polymerase Mix (33 U/µl)
- 625 µl PrimeSTAR® Max Premix (2X)
- 100 µl Recombinant DNase I (RNase-free) (5 U/µl)

Storage Conditions

- Store all components at –20°C
- Avoid repeated freeze/thaw cycles

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

The following documents apply to this product:

- Guide-it sgRNA In Vitro Transcription and Screening Systems User Manual

Quality Control Data

The Guide-it sgRNA In Vitro Transcription Components v2 were used to generate a template for *in vitro* transcription of an sgRNA control RNA according to the Guide-it sgRNA In Vitro Transcription and Screening Systems User Manual. *In vitro* transcription from that template produced more than 10 µg of sgRNA.

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.

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STATEMENT M54

This product is covered by the claims of U.S. Patent Nos. 7,704,713 and its foreign counterparts.

STATEMENT 272

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STATEMENT 396

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