

Guide-it™ sgRNA *In Vitro* Transcription Components

Catalog No(s).	Amount	Lot Number
631441 (Not sold separately) Sold as a part of 631438 & 631439	10 rxns	Specified on product label.

Description

The Guide-it sgRNA *In Vitro* Transcription Components 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 creating a T7 promoter-driven, sgRNA-encoding PCR product and performing an *in vitro* transcription assay, in order to produce single guide RNAs (sgRNAs) of interest for gene modification studies using Cas9.

Package Contents

- 50 µl Guide-it Scaffold Template (20 ng/µl)
- 70 µl Guide-it *In Vitro* Transcription Buffer
- 30 µl Guide-it T7 Polymerase Mix (33 U/µl)
- 500 µl RNase Free Water

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 kit was used to generate a template for *in vitro* transcription of an sgRNA control RNA according to the Guide-it sgRNA *In Vitro* Transcription Kit User Manual. *In vitro* transcription from that template produced more than 2 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.

631441

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following issued patents and patent applications: Australia Patent Nos. 2013355214; 2017204031; and 2018229489; Canada Patent Nos. 2,891,347 and 2,977,152; China Patent No. CN105142669; European Patent Nos. EP 2 928 496 B1; EP 3 138 910 B1, 3 138 911 B1, EP 3 138 912 B1, EP 3 360 964 B1, EP 3 363 902 B1; Israel Patent No. IL238856; Singapore Patent No. 11201503824S; South Korea Patent Nos. 10-1844123 and 10-2006880; and U.S. Patent Application Serial Nos. 15/188,911; 15/188,924; 15/188,927; 15/188,931; and 15/456,204 (the “Patent Rights”). The purchase of this Product conveys to you (the “Buyer”) the NON-TRANSFERABLE right to use the Product for Licensed Research Use (see definition below) subject to the conditions set out in this License Agreement.

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