

Guide-it™ sgRNA Screening Kit

Catalog No(s).	Amount	Lot Number
632639 Sold as a part of 632636	50 rxns	Specified on product label.

Description

The Guide-it sgRNA Screening Kit is used to test the efficacy of single guide RNAs (sgRNAs) for studies involving Cas9-mediated gene editing. This kit allows you to perform an *in vitro* cleavage assay of a DNA sequence of interest using Cas9 nuclease and the sgRNA targeting your gene of interest. The cleavage efficiency of Cas9 can then be measured using agarose gel electrophoresis.

Package Contents

- 25 µl Guide-it Recombinant Cas9 Nuclease (500 ng/µl)
- 50 µl 15X Cas9 Reaction Buffer
- 50 µl 15X BSA
- 5 µl Control sgRNA (50 ng/µl)
- 25 µl Control Fragment (20 ng/µl)
- 50 µl Terra™ PCR Direct Polymerase Mix (1.25 U/µl)
- 1.25 ml 2X Terra PCR Direct Buffer (with Mg²⁺, dNTP)
- 5 ml RNase Free Water
- 5 ml Extraction Buffer 1
- 0.5 ml Extraction Buffer 2

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 www.clontech.com/manuals
The following documents apply to this product:

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

Takara Bio USA, Inc.

1290 Terra Bella Avenue, Mountain View, CA 94043, USA
U.S. Technical Support: tech@clontech.com

United States/Canada 800.662.2566 (092716)	Asia Pacific +1.650.919.7300	Europe +33.(0)1.3904.6880	Japan +81.(0)77.565.6999
--	---------------------------------	------------------------------	-----------------------------

Certificate of Analysis

Guide-it™ sgRNA Screening Kit

Cat. No(s). 632639

Sold as a part of 632636

Quality Control Data

A control fragment (614 bp) amplified from the genomic DNA of HEK293 cells was combined with Guide-it Recombinant Cas9 Nuclease and the Control sgRNA according to the Guide-it sgRNA *In Vitro* Transcription and Screening Systems User Manual, resulting in >90% cleavage into two fragments (350 bp and 264 bp).

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

Guide-it™ sgRNA Screening Kit

CATALOG NO.

632639

NOTICE TO PURCHASER:

Our products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. 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 prior written approval of Takara Bio USA, Inc.

Your use of this product is also subject to compliance with the licensing requirements listed below and described on the product's web page at <http://www.clontech.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

STATEMENT 68

NOTICE TO PURCHASER: LIMITED LICENSE Use of this product is covered by one or more of the following US patents and corresponding patent claims outside the US: 5,789,224, 5,618,711, 6,127,155 and claims outside the US corresponding to expired US Patent No. 5,079,352. The purchase of this product includes a limited, non-transferable immunity from suit under the foregoing patent claims for using only this amount of product for the purchaser's own internal research. No right under any other patent claim, no right to perform any patented method, and no right to perform commercial services of any kind, including without limitation reporting the results of purchaser's activities for a fee or other commercial consideration, is conveyed expressly, by implication, or by estoppel. This product is for research use only. Diagnostic uses under Roche patents require a separate license from Roche. Further information on purchasing licenses may be obtained by contacting the Director of Licensing, Applied Biosystems, 850 Lincoln Centre Drive, Foster City, California 94404, USA.

TRADEMARKS:

©2016 Takara Bio Inc. All Rights Reserved.

All other trademarks are the property of their respective owners. Certain trademarks may not be registered in all jurisdictions.

Takara Bio USA, Inc.

1290 Terra Bella Avenue, Mountain View, CA 94043, USA

U.S. Technical Support: tech@clontech.com

United States/Canada

Asia Pacific

Europe

Japan

800.662.2566

+1.650.919.7300

+33.(0)1.3904.6880

+81.(0)77.565.6999

9/27/2016