Certificate of Analysis

Guide-it™ Indel Identification Components

Catalog No.	Amount	Lot Number
631445 (Not sold separately) Sold as a part of 631444	10 rxns	Specified on product label.

Description

The Guide-It Indel Identification Components are provided as a part of the Guide-it Indel Identification Kit (Cat. No. 631444), a complete kit for characterizing insertions and deletions (indels) that result from gene editing tools such as the CRISPR/Cas9 system.

Package Contents

- 110 µl Terra™ PCR Direct Polymerase Mix
- 3 x 1 ml 2X Terra PCR Direct Buffer (with Mg^{2+}, dNTP)
- 400 µl Extraction Buffer 1
- 40 µl Extraction Buffer 2
- 10 µl pUC19 Cloning Vector, linearized (50 ng/µl)
- 200 µl Colony PCR Forward Primer (15 µM)
- 200 µl Colony PCR Reverse Primer (15 µM)
- 6 x 1 ml PCR-Grade Water

Storage Conditions

- Store all components at –20°C

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 Indel Identification Kit User Manual
- pUC19 Linearized Vector Information

Takara Bio USA, Inc.
1290 Terra Bella Avenue, Mountain View, CA 94043, USA
U.S. Technical Support: techUS@takarabio.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
(102317)			

Certificate of Analysis

Cat. No. 631445

Guide-It Indel Identification Components (Not sold separately)

Sold as a part of 631444

Quality Control Data

PCR amplification from a genomic DNA template using the Terra PCR Direct Polymerase Mix resulted in amplification of an expected single DNA band of ~410 bp. No amplification was observed in the negative control.

Colony PCR was conducted on 8 freshly-transformed bacteria colonies using the Terra PCR Direct Polymerase Mix, 2X Terra PCR Direct Buffer, Colony PCR Forward Primer, and Colony PCR Reverse Primer. Amplification of a single band of ~520 bp was observed. No amplification was observed in the negative control.

Each new lot of linearized pUC19 Cloning Vector was tested by cloning 80 ng of a 2-kb Control Insert into 50 ng of that vector as described in the In-Fusion® HD Cloning Kit User Manual, using incubation conditions of 15 min at 50ºC. A 2.5-µl aliquot of the cloning reaction was used to transform 50 µl of Stellar™ Competent Cells (transformation efficiency >5 x 10^8 cfu/µg). After 1 hour of growth in 450 µl of SOC medium, 50 µl of the transformation culture was plated onto an LB Amp 100/X-gal/IPTG plate. At least 500 white colonies were observed for the cloning reaction into the prelinearized pUC19 Cloning Vector.

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

Notice to Purchaser

Guide-it™ Indel Identification Components

CATALOG NO.

631445

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.

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

TRADEMARKS:

Takara Bio USA, Inc.
1290 Terra Bella Avenue, Mountain View, CA 94043, USA
U.S. Technical Support: techUS@takarabio.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

8/20/2019