

Guide-it™ Knockin Screening Kit

Catalog Nos.	Amount
632659	100 rxns
632660	400 rxns

Description

The Guide-it Knockin Screening Kit enables sensitive detection of successful homologous recombination (HR) events in mixed or clonal cell populations edited using the CRISPR/Cas9 system. The Guide-it Knockin Screening Kit employs a simple fluorescence-based method that can reliably detect successful HR events regardless of the knockin length (from single-nucleotide substitutions to longer insertions) or the sequence of the genomic region surrounding the edit. The simple and rapid kit workflow consists of PCR amplification of the genomic target site followed by an enzymatic assay with green and red fluorescent readouts. The enzymatic assay employs a standard fluorescence plate reader or qPCR machine for endpoint detection of fluorescence, and no additional special instrumentation is required. The overall workflow takes approximately four hours to complete, and the stringency of the assay is such that detection of fluorescent signal(s) positively correlates with the presence of the desired sequence at the genomic target site.

Package Contents

632659 (100 rxns):

- Guide-it Flap Reagents (Cat. No. 632662; not sold separately) [>>View Components](#)
- MightyPrep Reagent for DNA (Cat. No. 9182A; not sold separately) >> Please visit takarabio.com/manuals to locate the Certificate of Analysis by entering the lot number for your particular lot of MightyPrep
- Guide-it Knockin Control Set (Cat. No. 632661; not sold separately) [>>View Components](#)

632660 (400 rxns):

- Guide-it Flap Reagents (Cat. No. 632663; not sold separately) [>>View Components](#)
- MightyPrep Reagent for DNA (Cat. No. 9182) [>> Please visit product page to locate the Certificate of Analysis for your particular lot of MightyPrep](#)
- Guide-it Knockin Control Set (Cat. No. 632661; not sold separately) [>>View Components](#)

For storage conditions, please see the Certificate of Analysis supplied with each component.

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- Guide-it Knockin Screening Kit User Manual

Takara Bio USA, Inc.

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This document has been reviewed and approved by the Quality Department.