

## Guide-it™ CRISPR/Cas9 Gesicle Production System

<b>Catalog No.</b>	<b>Amount</b>
632613	1 system

### Description

The Guide-it CRISPR/Cas9 Gesicle Production System is a system for producing high yields of target-specific CRISPR/Cas9 gesicles for gene editing. Gesicles are cell-derived nanovesicles used to deliver macromolecular cargoes to a broad range of target cells, including cells that are difficult to transfect with plasmids. The nanovesicles are produced in a Gesicle Producer 293T Cell Line (Cat. No. 632617) via co-overexpression of packaging mix components, which include a nanovesicle-inducing glycoprotein and a protein that is displayed on the cell surface that mediates binding and fusion with the cellular membrane of target cells. Simultaneous overexpression of additional macromolecular cargoes, in this case the Cas9 protein from *Streptococcus pyogenes* and a target-specific guide RNA (sgRNA), results in incorporation of the Cas9/sgRNA complex within the gesicles. After the resulting Cas9/sgRNA gesicles are harvested and applied to your target cells in the presence of protamine sulfate, they will efficiently enter the cells and mediate gene editing. This system provides the components needed to clone and express your target-specific guide RNA, and packaging reagents to produce CRISPR/Cas9 gesicles. It is essential to use the pGuide-it-sgRNA1 Vector for expression and packaging of your guide RNA, since using other commonly used guide RNA vectors will not result in effective Cas9/sgRNA complexes.

### Package Contents

- Guide-it CRISPR/Cas9 Gesicle Packaging Set (Cat. No. 632616) [>>View Components](#)
- pGuide-it-sgRNA1 Vector System (Cat. No. 632612) [>>View Components](#)
  - Guide-it Ligation Components v2 (Cat. No. 632615; Not sold separately) [>>View Components](#)
  - pGuide-it-sgRNA1 Vector (Linear) (Cat. No. 632614; Not sold separately) [>>View Components](#)
  - Stellar™ Competent Cells (Cat. No. 636763) [>>View Components](#)

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

### Product Documents

Documents for Clontech® products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals)

The following documents apply to this product:

- Guide-it CRISPR/Cas9 Gesicle Production System User Manual
- pGuide-it-sgRNA1 Vector (Linear) Vector Information
- Stellar Competent Cells Protocol-At-A-Glance

---

### 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 Clontech Laboratories, Inc.

Your use of this product is also subject to compliance with any applicable licensing requirements 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 such statements.

Clontech®, Clontech logo, Guide-it, and Stellar are trademarks of Clontech Laboratories, Inc. All other trademarks are the property of their respective owners. Certain trademarks may not be registered in all jurisdictions. Clontech Laboratories, Inc. is a Takara Bio Company. ©2015 Clontech Laboratories, Inc.

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

---

### Clontech Laboratories, Inc.

A Takara Bio Company  
1290 Terra Bella Avenue, Mountain View, CA 94043, USA  
U.S. Technical Support: [tech@clontech.com](mailto:tech@clontech.com)

United States/Canada 800.662.2566 (120215)	Asia Pacific +1.650.919.7300	Europe +33.(0)1.3904.6880	Japan +81.(0)77.543.6116
--	---------------------------------	------------------------------	-----------------------------