

## Cre Recombinase Gesicles

**Catalog Nos.**  
631449

**Amount**  
200  $\mu$ l

**Lot Number**  
Specified on product label.

### Description

Cre Recombinase Gesicles are cell-derived nanovesicles used to deliver active Cre recombinase protein directly into target cells. When they are applied to your target cells, the gesicles fuse with the plasma membrane and deliver a temporary dose of Cre recombinase, which facilitates recombination at *loxP* sites contained within the cell. As an added benefit, Cre Recombinase Gesicles contain CherryPicker™ protein, a membrane-targeted version of the mCherry fluorescent protein that helps to confirm the delivery of the Cre recombinase to your target cells.

### Package Contents

- 200  $\mu$ l Cre Recombinase Gesicles

### Storage Conditions

- Store at  $-70^{\circ}\text{C}$ .

### Expiration Date

- Specified on product label.

### Shipping Conditions

- Dry ice

### Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)

The following documents apply to this product:

- Cre Recombinase Gesicles Protocol-At-A-Glance

### Quality Control Data

A sample was tested to ensure the quality of this lot of Cre Recombinase Gesicles. CHO-K1 cells containing a floxed *ZsGreen1* reporter were treated with 5  $\mu$ l of the Cre Recombinase Gesicles according to the protocol and FACS analyzed for *ZsGreen1* expression after 48 hrs. Greater than 90% of the cells were green as determined by FACS.

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

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#### Takara Bio USA, Inc.

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## Cre Recombinase Gesicles

### CATALOG NO.

631449

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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.

### STATEMENT 44

The DsRed-Monomer and the Fruit Fluorescent Proteins are covered by one or more of the following U.S. Patents: 7,671,185, 7,911,071 and 8,664,471.

### STATEMENT 83

The Living Colors mCherry Monoclonal Antibody has been obtained from National University of Shimane.

### STATEMENT 225

Gesicle Technology. This product and its use are the subject of European patents and patent applications related to EP09306091, owned by Inserm Transfert. For research use only – not for therapeutic or diagnostic use in humans. No rights granted other than the right to use for research purposes.

In addition, Inserm Transfert is the owner of European patent application EP09306092.9 relating to the use of microvesicles for cell engineering purposes. The products should not be used to develop, make, have made, use and sell or otherwise distribute any product, composition, method, service or process for commercial services that would infringe said patent application, unless a license is negotiated with Inserm Transfert, at 7 rue Watt, 75013 Paris, France ([www.inserm-transfert.fr](http://www.inserm-transfert.fr)).

### STATEMENT 259

This product is protected by Japanese Patent No. 6454352 and corresponding U.S. pending patent and other foreign patents pending. For further license information, please contact a Takara Bio USA licensing representative by email at [licensing@takarabio.com](mailto:licensing@takarabio.com).

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4/26/2023

# Notice to Purchaser



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## STATEMENT 405

This product is protected by U.S. Patent Nos. 9593356 and 10793828 and corresponding foreign patents. Additional patents are pending. For further license information, please contact a Takara Bio USA licensing representative by email at [licensing@takarabio.com](mailto:licensing@takarabio.com).

## STATEMENT 69

The DsRed-Monomer, DsRed Express, E2-Crimson and the Fruit Fluorescent Proteins are covered by one or more of the following U.S. Patents: 7,250,298; 7,671,185; 7,910,714; 8,664,471 and 8,679,749.

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