

## pRetroX-SG2M-Cyan Vector

**Catalog No.**  
631462

**Amount**  
10 µg

**Lot Number**  
Specified on product label.

### Description

pRetroX-SG2M-Cyan is a self-inactivating retroviral vector that expresses AmCyan1-hGeminin (1-110), a fluorescent, ubiquitination-based, cell-cycle indicator. The vector allows you to identify cells that are transitioning between S, G2, and M phases.

### Package Contents

- 20 µl pRetroX-SG2M-Cyan Vector (500 ng/µl)

### Storage Conditions

- Store plasmid at -20°C
- Spin briefly to recover contents
- Avoid repeated freeze/thaw cycles

### Expiration Date

- Specified on product label.

### Storage Buffer

- 10 mM Tris-HCl (pH 8.0), 1 mM EDTA (pH 8.0)

### 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:

- pRetroX-SG2M-Cyan Vector Information
- pRetroX-SG2M-Cyan Vector Sequence in GenBank Format
- Retroviral Gene Transfer and Expression User Manual

### Propagation in *E. coli*

- Selectable marker: plasmids confer resistance to ampicillin (100 µg/ml) in *E. coli* hosts.

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#### Takara Bio USA, Inc.

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## Quality Control Data

### Plasmid Identity & Purity

- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

<b>Enzymes</b>	<b>Fragment Size (kb)</b>
NotI	8.1
HindIII	2.0 & 6.0

- $A_{260}/A_{280}$ : 1.8–2.0
- The presence of the correct protein variant was confirmed by sequencing.

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

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### CATALOG NO.

631462

### 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.

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