

pRetroX-SG2M-Cyan Vector

Catalog No.	Amount	Lot Number
631462	10 µg	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

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Storage Buffer

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

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:

- Retroviral Gene Transfer and Expression User Manual (PT3132-1)

Propagation in *E. coli*

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

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:

Enzymes	Fragments (kb)
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.