

pmR-ZsGreen1 Vector

Catalog No.
632541

Amount
20 µg

Lot Number
Specified on product label.

Description

pmR-ZsGreen1 is a mammalian expression vector designed to constitutively coexpress a microRNA (miRNA) of interest and the ZsGreen1 fluorescent protein. ZsGreen1 is a human codon-optimized variant of the *Zoanthus* sp. green fluorescent protein, ZsGreen, which has been engineered for brighter fluorescence and higher expression in mammalian cells. The unmodified vector will express ZsGreen1 in mammalian cells.

Package Contents

- pmR-ZsGreen1 Vector: 1 tube (20 µg, 500 ng/µl)

Storage Conditions

- Store plasmids 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:

- pmR-ZsGreen1 Vector Information Packet (PT4432-5)

Propagation in *E. coli*

- Selectable marker: plasmids confer resistance to kanamycin (50 µg/ml) in *E. coli* hosts.

Takara Bio USA, Inc.

1290 Terra Bella Avenue, Mountain View, CA 94043, USA
U.S. Technical Support: technical_support@takarabio.com

United States/Canada
800.662.2566
(111820)

Asia Pacific
+1.650.919.7300

Europe
+33.(0)1.3904.6880

Japan
+81.(0)77.565.6999

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:

Vector	Enzyme(s)	Fragment(s)
pmR-ZsGreen1	NheI	4.7 kb
	NheI/BglIII	4.0 & 0.7 kb

- Vector identity was confirmed by sequencing.
- A_{260}/A_{280} : 1.8–2.0

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

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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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