

pRetroX-IRES-ZsGreen1 Vector

Catalog No.
632520

Amount
20 µg

Lot Number
Specified on product label.

Description

The pRetroX-IRES-ZsGreen1 vector is a bicistronic retroviral expression vector containing ZsGreen1 as a marker for transfection/infection efficiency. A gene of interest is inserted into the MCS located upstream of the encephalomyocarditis virus (ECMV) internal ribosomal entry site (IRES). The IRES sequence allows the protein of interest and ZsGreen1 to be independently translated from the same mRNA transcript. ZsGreen1 is a human codon-optimized variant of the *Zoanthus* sp. green fluorescent protein (ZsGreen) that has been engineered for brighter fluorescence and higher expression in mammalian cells.

Package Contents

- 20 µg pRetroX-IRES-ZsGreen1 Vector (500 ng/µl)

Storage Conditions

- Store plasmids 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

The following documents apply to this product:

- Retroviral Gene Transfer and Expression User Manual
- pRetroX-IRES-ZsGreen1 Vector Information

Propagation in *E. coli*

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

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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:

Vector	Enzyme	Fragments
pRetroX-IRES-ZsGreen1	NotI	6.0 kb
	KpnI	0.5, 0.9, 1.4, 3.2 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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12/21/2022