

pZsGreen1-DR Vector

Catalog No.	Amount	Lot Number
632428	20 µg	Specified on product label.

Description

pZsGreen1-DR is a promoterless vector that encodes a destabilized variant of *Zoanthus* sp. green fluorescent protein, ZsGreen1. ZsGreen1-DR contains a PEST degradation domain at its C-terminus, so it is rapidly turned over in mammalian cell culture. Because of its short half-life, ZsGreen1-DR is well suited for monitoring the activity of promoters and promoter/enhancer combinations cloned into the multiple cloning site, located upstream of the human codon-optimized ZsGreen1-DR gene. Without the addition of a functional promoter, this vector will not express ZsGreen1-DR.

Package Contents

- pZsGreen1-DR Vector: 1 tube (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:

- Vector Information Packet (PT3719-5)

Propagation in *E. coli*

- Selectable marker: plasmids confer resistance to kanamycin (50 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)
SmaI	4.3
EcoRI & NotI	3.4 & 0.9

- 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.

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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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