

pZsGreen1-1 Vector

Catalog No.	Amount	Lot Number
632473	20 µg	Specified on product label.

Description

pZsGreen1-1 encodes ZsGreen1, a variant of the *Zoanthus* sp. green fluorescent protein (ZsGreen1) that has been engineered for brighter fluorescence. The ZsGreen1 coding sequence contains a series of silent base pair changes for optimal expression in mammalian cells. pZsGreen1-1 can be used as a reporter to monitor the activity of promoters and promoter/enhancer combinations cloned into the multiple cloning site (MCS) upstream of the promoterless ZsGreen1 gene. Without the addition of a functional promoter, this vector will not express ZsGreen1.

Package Contents

- 1 tube pZsGreen1-1 Vector (20 µg, 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:

- pZsGreen1-1 Vector Information

Propagation in *E. coli*

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

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
pZsGreen1-1	AgeI	4.1 kb
	Sall	3.8 & 0.3 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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