

pZsGreen1-N1 Vector

Catalog No.

632448

Amount

20 µg

Lot Number

Specified on product label.

Description

pZsGreen1-N1 is a human codon-optimized expression vector that encodes a variant of the *Zoanthus* sp. green fluorescent protein, ZsGreen1, which has been engineered for brighter fluorescence and higher expression in mammalian cells.

pZsGreen1-N1 allows genes cloned into the multiple cloning site (MCS) upstream of the ZsGreen1 coding sequence to be expressed as fusions to the N-terminus of the fluorescent protein. The unmodified vector will express ZsGreen1 in mammalian cells.

Package Contents

- 20 µg pZsGreen1-N1 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)

Concentration

- 500 ng/µl

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-N1 Vector Information Vector Information
- pZsGreen1-N1 Vector Sequence in GenBank Format

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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Certificate of Analysis

Cat. No. 632448

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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	Enzymes	Fragments
pZsGreen1-N1	BglII	4.7 kb
	BamHI/NotI	4.0 & 0.7 kb

- Vector identity was confirmed by sequencing.
- A₂₆₀/A₂₈₀: 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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4/18/2024