

pIRES2-ZsGreen1 Vector

Catalog No.
632478

Amount
20 µg

Lot Number
Specified on product label.

Description

pIRES2-ZsGreen1 is a bicistronic expression vector containing ZsGreen1 as a marker for transfection efficiency. It encodes 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. 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 gene of interest and ZsGreen1 to be translated simultaneously from the same mRNA transcript.

Package Contents

- pIRES2-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.

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:

- Vector Information Packet (PT3824-5)

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
NotI	5.3 kb
SalI	4.5 & 0.8 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.

plRES2-ZsGreen1 Vector

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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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