

pIRES2-AcGFP1 Vector

Catalog No.
642435

Amount
20 µg

Lot Number
Specified on product label.

Description

pIRES2-AcGFP1 is a bicistronic vector designed for the simultaneous expression of a novel green fluorescent protein (AcGFP1) and a protein of interest from the same transcript in transfected mammalian cells. This vector contains an internal ribosome entry site (IRES2) of the encephalomyocarditis virus (ECMV). When a gene of interest is inserted into the MCS located upstream of the IRES, both the gene of interest and the AcGFP1 coding region will be translated from a single bicistronic mRNA.

Package Contents

- 20 µg pIRES2-AcGFP1 Vector (500 ng/µl)

Storage Conditions

- Store 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:

- pIRES2-AcGFP1 Vector Information

Plasmid Size

- 5.3 kb

Cloning Sites

- Acc I, BamH I, Bgl II, EcoR I, Eco47 III, Nhe I, Pst I, SacI, Sac II, Sal I, Sma I, Xho I, Xma I

Antibiotic Resistance

- Kanamycin (50 µg/ml) for propagation in *E. coli* DH5 α

Takara Bio USA, Inc.

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+81.(0)77.565.6999

Quality Control Data

Plasmid Identity and Purity

- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

Vector	Enzymes	Fragments
pIRES2-AcGFP1	NotI	5.3 kb
	BsrGI	5.0 kb, 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.

pIRES2-AcGFP1 Vector

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STATEMENT 39

AcGFP is covered by U.S. Patent Numbers; 7,432,053, 7,667,016, 7,879,988 and 7,897,726.

STATEMENT 72

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