

pIRES2-DsRed2 Vector

Catalog No. 632420	Amount 20 µg	Lot Number Specified on product label.
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Description

Bicistronic expression vector containing DsRed2 as a marker for transfection efficiency. 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 both the gene of interest and DsRed2 to be translated simultaneously from the same mRNA transcript. DsRed2 is a human codon-optimized variant of wild-type DsRed that has been engineered for faster maturation and lower nonspecific aggregation.

Package Contents

- 1 tube pIRES2-DsRed2 Vector

Storage Conditions

- Store plasmid 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

Antibiotic Resistance

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

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-DsRed2 Vector Information
- pIRES2-DsRed2 Vector Sequence in GenBank Format

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
EcoRI	5.3 kb
PstI	4.3 & 1.0 kb

- The identity of the pIRES2-DsRed2 variant was verified 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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