

pLVX-IRES-mCherry Vector

Catalog No.
631237

Amount
20 µg

Lot Number
Specified on product label.

Description

The pLVX-IRES-mCherry Vector is a bicistronic lentiviral expression vector that can be used to generate high-titer lentivirus for transducing dividing or nondividing mammalian cells. The vector contains an internal ribosomal entry site (IRES) which allows a gene-of-interest and the mCherry fluorescent protein to be simultaneously coexpressed from a single mRNA transcript. When used with the Lenti-X™ HT Packaging System (Cat. No. 632160) and the Lenti-X 293T Cell Line (Cat. No. 632180), the vector generates high titers of replication-incompetent, VSV-G-pseudotyped lentivirus.

Package Contents

- 20 µg pLVX-IRES-mCherry 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:

- Lenti-X Lentiviral Expression Systems User Manual
- pLVX-IRES-mCherry Vector Information

Propagation in *E. coli*

- Recommended host strain: Stellar™ Competent Cells (Cat. No. 636763).
- Selectable marker: Plasmids confer resistance to ampicillin (100 µg/ml) in *E. coli* hosts.
- *E. coli* replication origin: pUC

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:

Vector	Enzyme	Fragment
pLVX-IRES-mCherry Vector	XhoI	8.2 kb
	KpnI	1.6 & 6.6 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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STATEMENT 72

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STATEMENT 69

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