**pLVX-IRES-mCherry Vector**

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Amount</th>
<th>Lot Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>631237</td>
<td>20 µg</td>
<td>Specified on product label.</td>
</tr>
</tbody>
</table>

**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.

**Shelf Life**
1 year from date of receipt under proper storage conditions.

**Storage Buffer**
- 10 mM Tris-HCl (pH 8.0), 1 mM EDTA (pH 8.0)

**Concentration**
- 500 ng/µl

**Shipping Conditions**
- Dry ice (−70°C)

**Product Documents**
Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)
The following documents apply to this product:
- 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
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:

<table>
<thead>
<tr>
<th>Vector</th>
<th>Enzyme(s)</th>
<th>Fragment(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>pLVX-IRES-mCherry Vector</td>
<td>XhoI</td>
<td>8.2 kb</td>
</tr>
<tr>
<td></td>
<td>KpnI</td>
<td>1.6 &amp; 6.6 kb</td>
</tr>
</tbody>
</table>

- 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.
pLVX-IRES-mCherry Vector

CATALOG NO.
631237

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STATEMENT 44

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STATEMENT 72

Living Colors Fluorescent Protein Products:

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STATEMENT 55

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