pLVX-IRES-ZsGreen1 Vector

**Catalog No.**
632187

**Amount**
10 µg

**Lot Number**
Specified on product label.

**Description**
The pLVX-IRES-ZsGreen1 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 ZsGreen1 fluorescent protein to be simultaneously co-expressed from a single mRNA transcript. When used with the Lenti-X™ HTX Packaging System (Cat. No. 631247) and the Lenti-X 293T Cell Line (Cat. No. 632180), the vector generates high titers of replication-incompetent, VSV-G-pseudotyped lentivirus.

**Package Contents**
- 10 µg pLVX-IRES-ZsGreen1 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-ZsGreen1 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-ZsGreen1</td>
<td>XhoI</td>
<td>8.2 kb</td>
</tr>
<tr>
<td></td>
<td>KpnI</td>
<td>6.6 &amp; 1.6 kb</td>
</tr>
</tbody>
</table>

- Vector identity was confirmed by sequencing.
- A\textsubscript{260}/A\textsubscript{280}: 1.8–2.0

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.
**Notice to Purchaser**

**pLVX-IRES-ZsGreen1 Vector**

**CATALOG NO.**

632187

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**STATEMENT 24**

The RCFPs (including DsRedExpress, DsRedExpress2, and E2-Crimson) are covered by one or more of the following U.S. Patent Nos. 7,166,444; 7,157,565; 7,217,789; 7,338,784; 7,338,783; 7,537,915; 6,969,597; 7,150,979; 7,442,522 and 8,012,682.

**STATEMENT 47**

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**STATEMENT 72**

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STATEMENT 55

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