

pLVX-PAmCherry-N1 Vector

Catalog No.
632586

Amount
10 ug

Lot Number
Specified on product label.

Description

pLVX-PAmCherry-N1 Vector is an HIV-1-based, lentiviral expression vector. Lentiviral particles derived from the vector allow you to infect cells and express your gene of interest fused to PAmCherry, a photoactivatable mutant of the fluorescent protein mCherry. PAmCherry is non-fluorescence until photoactivated by a short exposure to light at a wavelength between 350 nm and 400 nm. The excitation/emission wavelengths of photoactivated PAmCherry are 564 nm and 595 nm.

Genes cloned into the MCS will be expressed as fusions to the N-terminus of PAmCherry if they are in the same reading frame as PAmCherry and there are no intervening stop codons.

Package Contents

- 20 µl pLVX-PAmCherry-N1 Vector (500 ng/µl)

Storage Conditions

- Store 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
The following documents apply to this product:

- Lenti-X Lentiviral Expression Systems User Manual
- pLVX-PAmCherry-N1 Vector Information

Takara Bio USA, Inc.

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Certificate of Analysis

Cat. No. 632586

pLVX-PAmCherry-N1 Vector

Propagation in *E. coli*

- Recommended host strain: Stellar™ Competent Cells (Cat. No. 636763). Single-stranded DNA production requires strains containing an F plasmid, such as JM109 or XL1-Blue.
- 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:

Vector	Enzyme(s)	Size (kb)
pLVX-PAmCherry-N1	BamHI	8.8 kb
	NheI	3.5 & 5.3 kb

- Vector identity was confirmed by sequencing.
- A₂₆₀/A₂₈₀: 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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2/19/2020

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