

Certificate of Analysis

Retro-X™ Pantropic Vector Set

Catalog No.	Amount	Lot Number
631460 (Not sold separately) Sold as a part of 631512	20 µg	Specified on product label.

Description

The Retro-X Pantropic Vector Set contains four vectors designed for use with the GP2-293 retroviral packaging cell line. The vector set includes: pVSV-G, which expresses envelope proteins that generate retrovirus with broad tropism pantropic); two MMLV-based retroviral expression vectors that allow you to express your gene of interest from alternative promoters; and a control vector that expresses luciferase.

Package Contents

- 20 µg pVSV-G Vector (500 ng/µl)
- 20 µg pLNHX Vector (500 ng/µl)
- 20 µg pLXRN Vector (500 ng/µl)
- 20 µg pLLRN Control 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:

- Retroviral Gene Transfer and Expression User Manual
- pVSV-G Vector Information
- pLNHX Retroviral Vector Information
- pLXRN Retroviral Vector Information
- pLLRN Control Vector Sequence in GenBank Format

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Quality Control Data

Plasmid Identity and purity

- The identity of each plasmid was verified by restriction digestion. Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

Vector	Enzymes	Fragments
pLNHX	XhoI	0.4 & 5.2 kb
	ScaI	5.5 kb
pLXRN	HindIII	0.3 & 6.1 kb
	ClaI	3.1 & 5.6 kb
pLLRN	BamHI	8.7 kb
	BamHI	1.7 & 4.8 kb
pVSV-G	ScaI	2.2 & 4.2 kb
	Sall	6.3 kb

- 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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CATALOG NO.

631460

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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