**PRODUCT:** pRetro-Lib Vector

**CATALOG NO.** 635002  
**AMOUNT** 20 µg

**LOT NUMBER**  
Specified on product label.

**STORAGE BUFFER**  
10 mM Tris-HCl (pH 8.0)  
1 mM EDTA (pH 8.0)

**STORAGE CONDITIONS**  
- Store plasmid 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.

**SHIPPING CONDITIONS**  
Blue ice (4°C) or dry ice (–70°C).

**DESCRIPTION**  
pRetro-Lib, derived from Moloney murine leukemia virus (MoMuLV), is designed for delivery and expression of retroviral libraries or genes. Upon transfection into a packaging cell line, pRetro-Lib can transiently express, or integrate and stably express, a transcript containing (psi, the extended viral packaging signal) and the gene of interest. The 5’ viral LTR in this vector contains a viral promoter that controls expression of genes cloned into the MCS.

**CONCENTRATION:** 0.5 µg/µl

**PLASMID SIZE:** 4.9 kb

**CLONING SITES**  
EcoRI, SfiIA, SfiIB, ClaI

**ANTIBIOTIC RESISTANCE**  
Ampicillin (50 µg/ml for propagation in E. coli)

**PACKAGE CONTENTS**  
1 tube of pRetro-Lib Vector

**OTHER**  
Vector Information Packet (PT3627-5)

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**FOR RESEARCH USE ONLY**

**QUALITY CONTROL DATA**  
- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

<table>
<thead>
<tr>
<th>Enzymes</th>
<th>Fragments</th>
</tr>
</thead>
<tbody>
<tr>
<td>SfiI</td>
<td>4.7 &amp; 0.2 kb</td>
</tr>
<tr>
<td>HpaI</td>
<td>4.9 kb</td>
</tr>
</tbody>
</table>

  - \( \frac{A_{260}}{A_{280}} \): 1.8–2.0
pRetro-Lib Vector

CATALOG NO.
635002

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