Product Datasheet

pCL-10A1 Retrovirus Packaging Vector
NBP2-29542

Unit Size: 10 ug

Store at -20C. Avoid freeze-thaw cycles.

Publications: 55

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Updated 8/17/2023 v.20.1

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## Product Information

<table>
<thead>
<tr>
<th>Unit Size</th>
<th>10 ug</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentration</td>
<td>Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.</td>
</tr>
<tr>
<td>Storage</td>
<td>Store at -20°C. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td>Buffer</td>
<td>10 ug in 1x TE (10 mM Tris, pH 7.5, 1 mM EDTA)</td>
</tr>
</tbody>
</table>

## Product Description

| Species | Mouse, Mammal |
| Reactivity Notes | Mouse reactivity reported in scientific literature (PMID:33168978) Human reactivity reported in scientific literature (PMID: 23973628) |
| Specificity/Sensitivity | Ecotropic (MoMuLV) for mouse and rat cells only (not human) Amphotropic (from 4070A MuLV) for most mammalian cells (but not hamster) 10A1 (MuLV) for most mammalian cells (including hamster) |

## Product Application Details

| Applications | Retroviral Production |
| Recommended Dilutions | Retroviral Production |
| Application Notes | AMPLIFICATION: The plasmid DNA contains an ampicillin resistant gene. For large scale production, this plasmid may be amplified on LB plates containing 50 ug/ml ampicillin. The liquid cultures may be grown at 100 ug ampicillin/ml. Use in retroviral production reported in multiple pieces of scientific literature. |


Xie X, Gan T, Rao B et al. C-terminal deletion-induced condensation sequesters AID from IgH targets in immunodeficiency. The EMBO journal 2022-04-26 [PMID: 35471583] (RetVir)

Ma L, Li W, Zhang Y et al. FLT4/VEGFR3 activates AMPK to coordinate glycometabolic reprogramming with autophagy and inflammasome activation for bacterial elimination. Autophagy 2021-10-10 [PMID: 34632918]


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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Support products are guaranteed for 6 months from date of receipt.

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