

pLVX-Het-Mem1

Catalog No(s).

635075 (Not sold separately).
Sold as part of 635074.

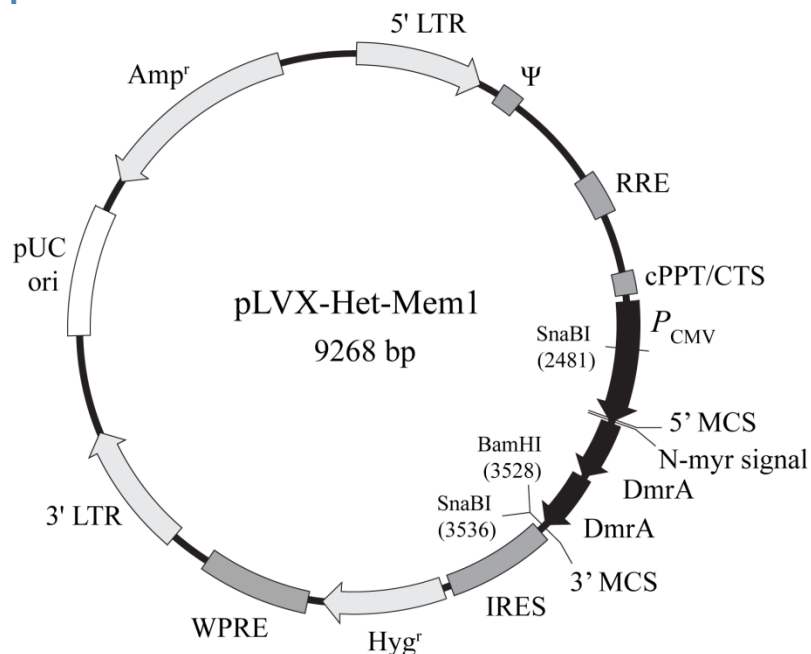
Amount

20 µl pLVX-Het-Mem1 Vector (500 ng/µl)

Lot Number

Specified on product label.

pLVX-Het-Mem1 Vector Information



| | | | | | | | | | | | | | | | | | | | | |
|--------|------|--------------------------------------|--------------|-----|-----|--------------------------------------|-----|-----|-----|-----|------|-----|-----|-----|-----|-------|-----|-----|-----|-----|
| 5' MCS | | | | | | | | | | | | | | | | | | | | |
| | XhoI | SpeI | N-myr signal | | | | | | | | | | | | | | | | | |
| 2810 | CTC | GAG | ACT | AGT | ATG | GGG | AGT | AGC | AAG | AGC | AAG | CCT | AAG | GAC | CCC | | | | | |
| | GAG | CTC | TGA | TCA | TAC | CCC | TCA | TCG | TTC | TCG | TTC | GGA | TTC | CTG | GGG | | | | | |
| | | N-myr signal | | | | N-terminus of DmrA (1) coding region | | | | | | | | | | | | | | |
| 2855 | AGC | CAG | CGC | TCT | AGA | GGA | GTG | CAG | GTG | GAA | ACC | ATC | TCC | CCA | ... | | | | | |
| | TCG | GTC | GCG | AGA | TCT | CCT | CAC | GTC | CAC | CTT | TGG | TAG | AGG | GGT | ... | | | | | |
| | | C-terminus of DmrA (2) coding region | | | | | | | | | | | | | | | | | | |
| 3488 | ... | TTC | GAC | GTG | GAG | CTG | CTG | AAG | CTG | GAG | NotI | | | | | BamHI | | | | |
| | ... | AAG | CTG | CAC | CTC | GAC | GAC | TTC | GAC | CTC | AGC | GGC | CGC | GGA | TCC | TCG | CCG | GCG | CCT | AGG |
| | | 3' MCS | | | | | | | | | | | | | | | | | | |

pLVX-Het-Mem1 vector map and multiple cloning site. To create a fusion of your protein of interest and the DmrA protein, clone your gene of interest in either the 5' or 3' MCS, in-frame with the DmrA coding sequence (see Notes).

Clontech Laboratories, Inc.

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Notes

When cloning your gene of interest into the pLVX-Het-Mem1 vector, make certain that the N-myr-signal is located on the N-terminus of the DmrA fusion protein. The N-myr-signal is NOT functional if localized in the middle or at the C-terminus of a protein of interest. Your gene must either be cloned into the 3'MCS, or if cloned into the 5' MCS, which is located upstream of the N-myr signal, you must include a separate N-myr signal sequence on the forward primer used to amplify your gene of interest.

Location of Features

- 5' LTR (5' long terminal repeat): 1–635
- ψ (packaging signal): 685–822
- RRE (Rev-response element): 1303–1536
- cPPT/CTS (central polypurine tract/central termination sequence): 2028–2151
- P_{CMV} (human cytomegalovirus promoter): 2185–2788
- 5'MCS (5' multiple cloning site): 2810–2821
- N-myr signal (amino-terminal myristoylation signal): 2822–2863
- DmrA (DmrA fusion protein): 2867–3190, 3194–3517
- 3'MCS (3' multiple cloning site): 3519–3532
- IRES (Internal ribosome entry site): 3543–4118
- Hyg^r (hygromycin resistance gene): 4142–5176
- WPRE (woodchuck hepatitis virus posttranscriptional regulatory element): 5190–5781
- 3' LTR (3' long terminal repeat): 5985–6621
- pUC ori (pUC origin of replication): 7091–7761 (complementary)
- Amp^r (ampicillin resistance gene): 7906–8902 (complementary)

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This document has been reviewed and approved by the Clontech Quality Assurance Department.