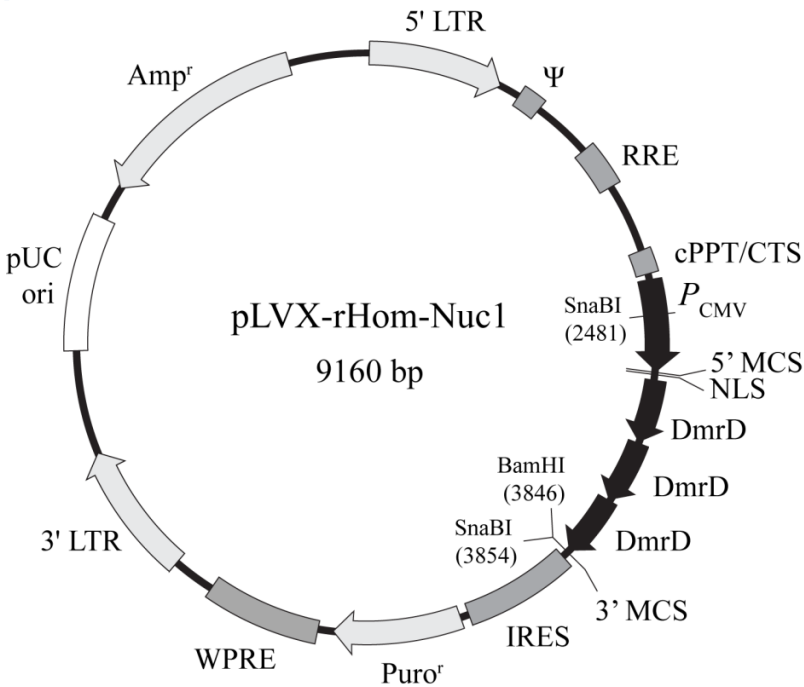


pLVX-rHom-Nuc1

<b>Catalog No(s).</b>	<b>Amount</b>	<b>Lot Number</b>
635077 (Not sold separately). Sold as part of 635076.	20 µl pLVX-rHom-Nuc1 Vector (500 ng/µl)	Specified on product label.

pLVX-rHom-Nuc1 Vector Information



5' MCS													
EcoRI				XhoI				Nuclear localization signal					
2804	GAA	TTC	CTC	GAG	ACT	AGT	ATG	CCT	AAG	AAG	AAG	AGA	AAG GTG
	CTT	AAG	GAG	CTC	TGA	TCA	TAC	GGA	TTC	TTC	TTC	TCT	TTC CAC
XbaI				N-terminus of DmrD (1) coding region									
2846	TCT	AGA	GGA	GTG	CAG	GTG	GAG	ACT	ATC	TCC	CCA	GGA	GAC ...
	AGA	TCT	CCT	CAC	GTC	CAC	CTC	TGA	TAG	AGG	GGT	CCT	CTG ...
C-term. of DmrD (3) coding region													
3809	...	CTT	CTA	AAA	CTG	GAA	ACT	AGT	TAT	AGC	GGC	CGC	GGA TCC
	...	GAA	GAT	TTT	GAC	CTT	TGA	TCA	ATA	TCG	CCG	GCG	CCT AGG
3' MCS													

**pLVX-rHom-Nuc1 vector map and multiple cloning site.** To create a fusion of your protein of interest and the DmrD protein, clone your gene of interest in either the 5' or 3' MCS, in-frame with the DmrD coding sequence.

## Location of Features

- 5' LTR (5' long terminal repeat): 1–635
- $\psi$  (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): 2804–2815
- NLS (nuclear localization signal): 2822–2845
- DmrD (DmrD fusion protein): 2849–3172, 3176–3499, 3503–3826
- 3'MCS (3' multiple cloning site): 3837–3850
- IRES (Internal ribosome entry site): 3861–4436
- Puro<sup>r</sup> (puromycin resistance gene; puromycin acetyltransferase): 4469–5068
- WPRE (woodchuck hepatitis virus posttranscriptional regulatory element): 5082–5673
- 3' LTR (3' long terminal repeat): 5877–6513
- pUC ori (pUC origin of replication): 6983–7653 (complementary)
- Amp<sup>r</sup> (ampicillin resistance gene): 7798–8794 (complementary)

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