

## pLVX-Het-Nuc1

Catalog No(s). 635075 (Not sold separately). Sold as part of 635074.

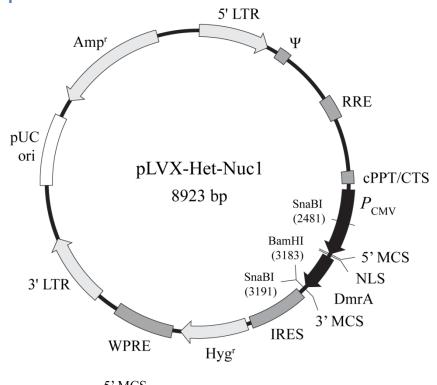
#### **Amount**

 $20~\mu l~pLVX\text{-Het-Nuc1 Vector}$  (500 ng/ $\mu l)$ 

### **Lot Number**

Specified on product label.

# pLVX-Het-Nuc1 Vector Information



5 MCS															
	XhoI		SpeI		NLS								N-term. of DmrA		
2810	CTC	GAG	ACT	AGT	ATG	CCT	AAG	AAG	AAG	AGA	AAG	GTG	TCT	AGA	
	GAG	CTC	TGA	TCA	TAC	GGA	TTC	TTC	TTC	TCT	TTC	CAC	AGA	TCT	

	C-terminus of DmrA coding region										NotI			BamHI		
3143		TTC	GAT	GTG	GAG	CTT	CTA	AAA	CTG	GAA	AGC	GGC	CGC	GGA	TCC	
		AAG	CTA	CAC	CTC	GAA	GAT	TTT	GAC	CTT	TCG	CCG	GCG	CCT	AGG	
											3' MCS					

**pLVX-Het-Nuc1 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.

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### pLVX-Het-Nuc1

#### **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
- $P_{\text{CMV}}$  (human cytomegalovirus promoter): 2185–2788
- 5'MCS (5' multiple cloning site): 2810–2821
- NLS (nuclear localization signal): 2822–2845
- DmrA (DmrA fusion protein): 2849–3172
- 3'MCS (3' multiple cloning site): 3174–3187
- IRES (internal ribosome entry site): 3198–3773
- Hyg<sup>r</sup> (hygromycin resistance gene): 3797–4831
- WPRE(woodchuck hepatitis virus posttranscriptional regulatory element): 4845–5436
- 3' LTR (3' long terminal repeat): 5640 –6276
- pUC ori (pUC origin of replication): 6746–7416 (complementary)
- Amp<sup>r</sup> (ampicillin resistance gene): 7561–8557 (complementary)

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

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