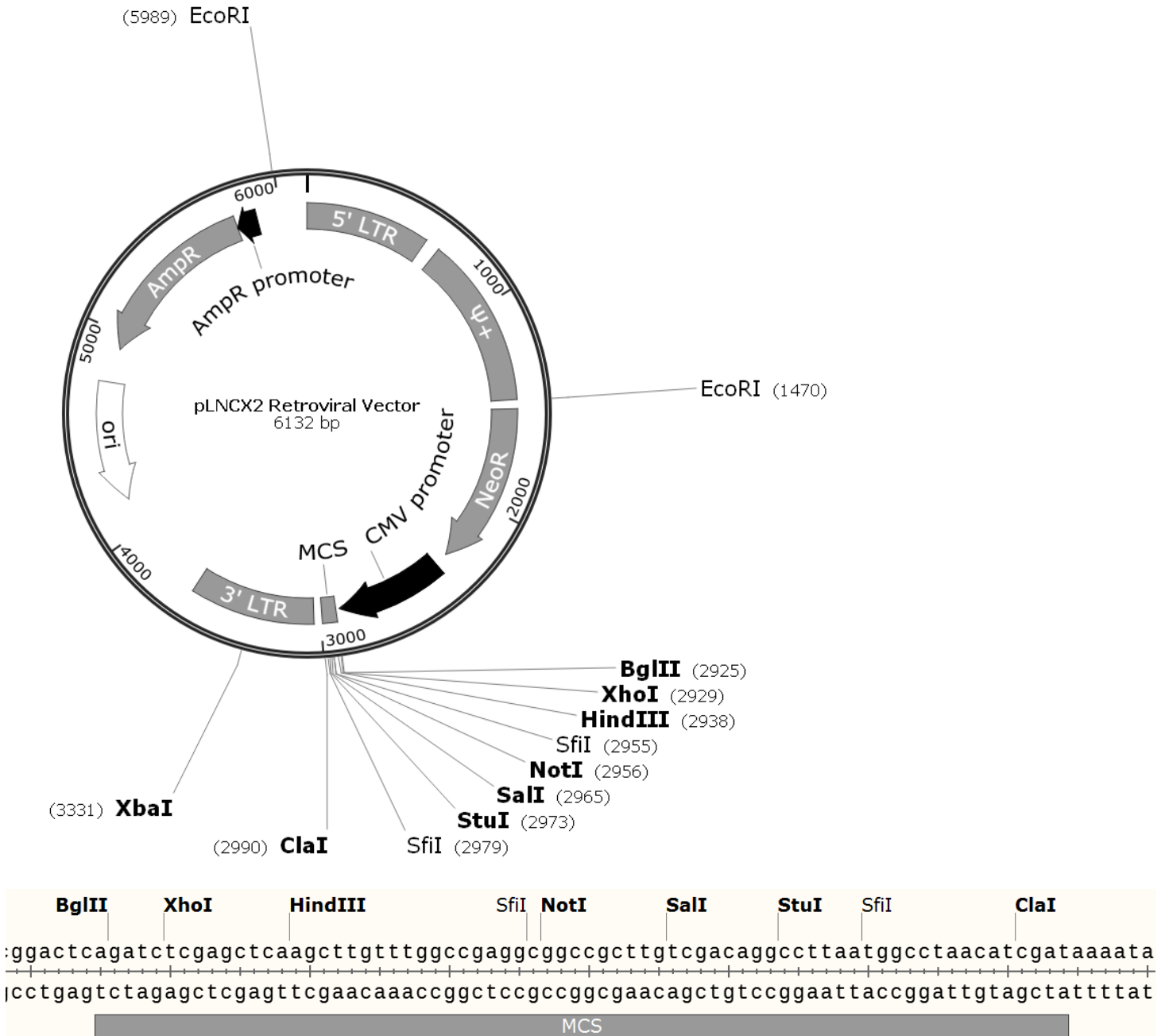


## LRCX Retroviral Vector Set

**Catalog No.**

631511



**Figure 1. pLNCX2 Retroviral Vector map and multiple cloning site.**

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## Location of Features (pLNCX2 Retroviral Vector)

- 5' LTR (5' long terminal repeat): 1–589
- $\Psi^+$  (extended packaging signal): 659–1468
- Neo<sup>R</sup> (neomycin resistance gene): 1512–2306
- *P*<sub>CMV</sub> (CMV promoter): 2373–2905
- MCS: 2925–2994
- 3' LTR (3' long terminal repeat): 3034–3627
- ori (high-copy-number ColE1/pMB1/pBR322/pUC origin of replication): 4164–4752
- Amp<sup>R</sup> (ampicillin resistance gene): 4923–5783
- Amp<sup>R</sup> promoter: 5784–5888
- See the “pLNCX Seq/PCR Primers” section for primer details.

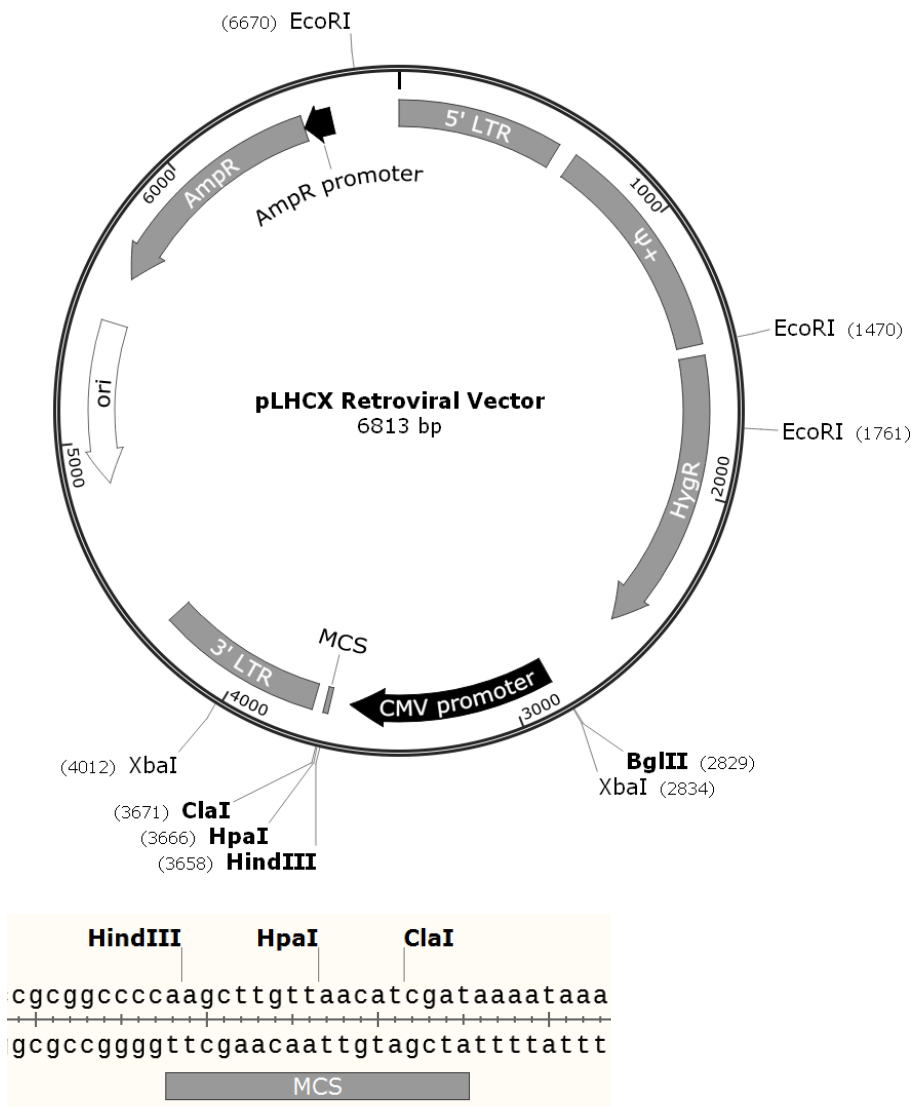


Figure 2. pLHCX Retroviral Vector map and multiple cloning site.

## Location of Features (pLHCX Retroviral Vector)

- 5' LTR (5' long terminal repeat): 1–589
- $\Psi^+$  (extended packaging signal): 659–1468
- Hyg<sup>R</sup> (hygromycin resistance gene): 1509–2543
- P<sub>CMV</sub> (CMV promoter): 2851–3585
- MCS: 3658–3675
- 3' LTR (3' long terminal repeat): 3715–4308
- ori (high-copy-number ColE1/pMB1/pBR322/pUC origin of replication): 4845–5433
- Amp<sup>R</sup> (ampicillin resistance gene): 5604–6464
- Amp<sup>R</sup> promoter: 6465–6569
- See the “pLNCX Seq/PCR Primers” section for primer details.

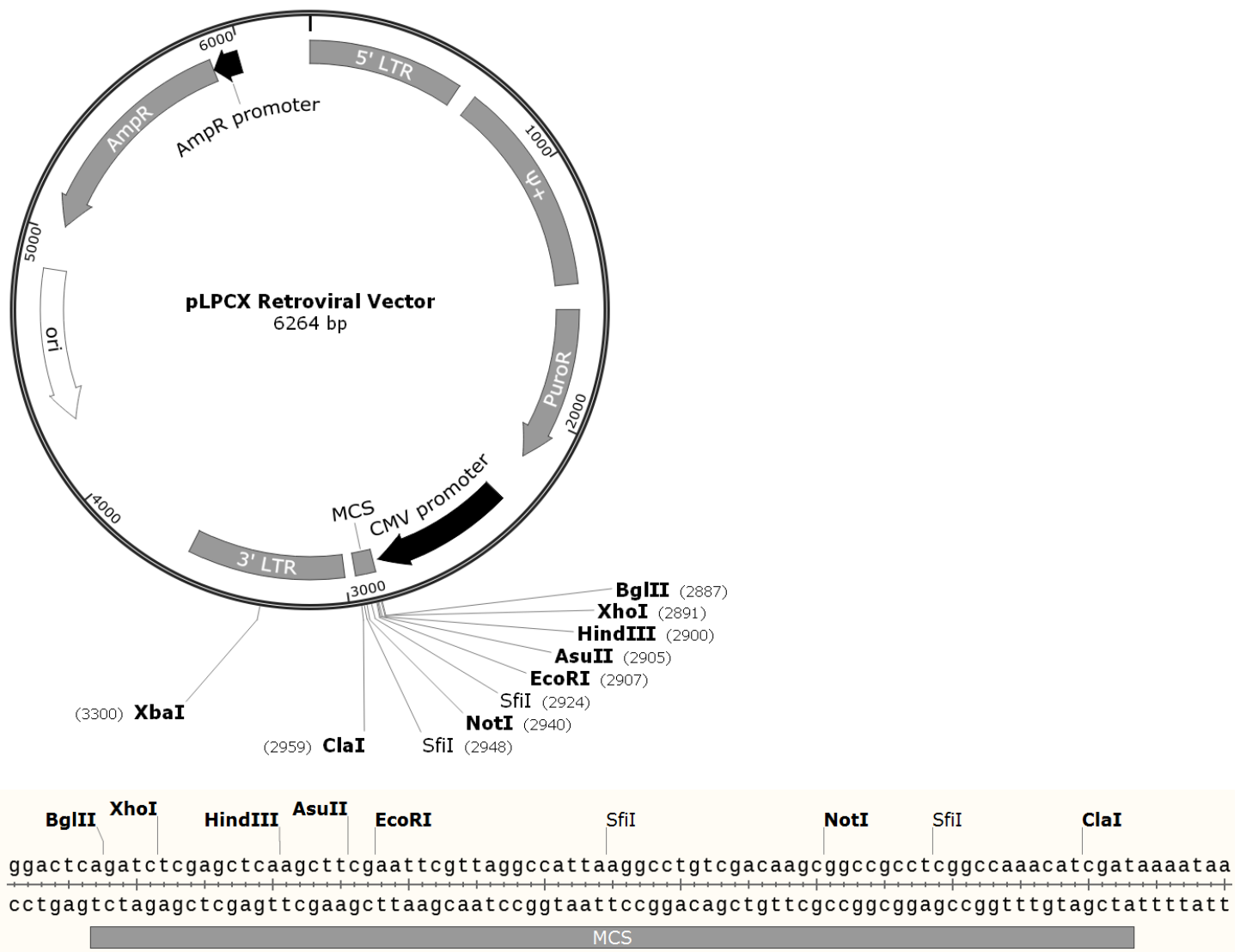


Figure 3. pLPCX Retroviral Vector map and multiple cloning site.

## Location of Features (pLPCX Retroviral Vector)

- 5' LTR (5' long terminal repeat): 1–589
- $\Psi^+$  (extended packaging signal): 659–1468
- Puro<sup>R</sup> (puromycin resistance gene): 1565–2164
- $P_{CMV}$  (CMV promoter): 2337–2867
- MCS: 2887–2963
- 3' LTR (3' long terminal repeat): 3003–3596
- ori (high-copy-number ColE1/pMB1/pBR322/pUC origin of replication): 4266–4854
- Amp<sup>R</sup> (ampicillin resistance gene): 5025–5885
- Amp<sup>R</sup> promoter: 5886–5990
- See the “pLNCX Seq/PCR Primers” section for primer details.

## pLNCX Seq/PCR Primers

5' primer : 5'-AGCTCGTTTGTGAACCGTCAGATC-3'

3' primer : 5'-ACCTACAGGTGGGGTCTTTCATTCCC-3'

Figure 4. pLNCX Seq/PCR Primer sequences

## Location of Sequencing Primers (for all LRCX Retroviral Vectors)

- pLNCX2 Retroviral Vector
  - 5' primer: 2881–2905
  - 3' primer: 3031–3056
- pLHCX Retroviral Vector
  - 5' primer: 3561–3585
  - 3' primer: 3712–3737
- pLPCX Retroviral Vector
  - 5' primer: 2843–2867
  - 3' primer: 3000–3025

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