

LV032

Vector Name	pLenti-III-GFP-C
VectorType	Lentiviral vector
Antibiotic Information	Puromycin

Sequencing Primers

CMV sequencing primer
5'---CGC AAA TGG GCG GTA GGC GTG---3'

Reverse sequencing primer
5'---TAG TCA GCC ATG GGG CGG AGA ---3'

5'-- GCT AGC CCC GGG ATC GAT CAA TTG AGT ACT
NheI XmaI ClaI MfeI ScaI
TAC GTA GGT ACC CCA GTG TGG TGG CCT GCA GGT
SnaBI KpnI
GAA TTC ACT AGT ACC GGT AGG CCT GTC GAC GAT
EcoRI SpeI AgeI StuI Sall EcoRV
ATC GGG CCC GCG GCC GCT GGA TCC TCT AGA
ApaI NotI BamHI XbaI
(In frame GFP Reporter) TAC CCA TAC GAC GTC CCA
HA-Tag
GAC TAC GCT TGA --3'



Sequence

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1 ttttgattg aagccaatat gataatgagg gggtaggtt tgtgacgtgg cgcggggcgt
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1921 aattacacaa gcttaataca ctoccttaatt gaagaatcgc aaaaccagca agaaaagaat
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Genebank

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     Other Gene       715..895
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Other Gene    5464..5516
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Other Gene    5517..5697
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Promoter      7475..7524
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misc_binding  7582..7587
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Text Map

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61     gggaaacggggcggtgacgtagtagtggtggcggaagtgtgatgttgcaagtgtggcgaa 120
      CCTTGCCTCCCGCCACTGCATCATCACACCGCCTTACACTACAACGTTTACACCGCCTT
      Encap other(162,310)>>>
      |
121    cacatgtaagcgacggatgtggcaaaagtgcgctttttggtgtgcgcccgtgtacacagg 180
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      amp prom(365,393)<<<
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      HIV-1_5_LTR other(715,895)>>>
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661    gaattgcgcattgcagagatattgtatttaagtgcctagctcgatacaaaacgggtct 720
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721    ctctggttagaccagatctgagcctgggagctctcttgctaaactaggaacccactgctt 780
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      HIV-1_psi_pack other(1006,1050)>>>

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NruI
|

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1441 ggacattggagaagtgaattatataaaataaaagtagtaaaaatgaaccattaggagta 1500
 CCTGTAACCTCTTCACTAATATATTTATTTTATTTTCACTTTTAACTTGGTAATCTCAT

RRE reg (1557,1790)>>>

1501 gcaccaccaagcaagagaagatgggtgcagagagaaaaagagcagtggaatagga 1560
 CGTGGGTGGTCCGTTCTCTCTCACCAGTCTCTTTTTTCTCGTACCCTTATCT

ORF_1 rf(1) (1600,2301)>>>

1561 gctttgttccttgggttcttgggagcagcaggaagcactatgggagcagcgtcaatgac 1620
 CGAAACAAGGAACCAAGAACCCTCGTCTGTCCTGATACCCGCGTCGAGTTACTGC

1621 ctgacggtacagccagacaattattgtctggtatagtcagcagcagacaatttctgt 1680
 GACTGCCATGTCCGCTGTAAATAACAGACCATAFCAGTCTGTCGCTTGTAAACGAC

1681 agggctattgagggcaacagcatctgttgcaactcacagctctgggcatcaagcagctc 1740
 TCCCGATAACTCCGCTTGTCTGACACAACGTTGAGTGTGACACCCCGTAGTTCGTCGAG

1741 caggcaagaatcctggctgtggaagatacctaaggatcaacagctcctggggatttg 1800
 GTCCGTTCTTAGGACCGACACCTTTCTATGGATTTCTAGTTGTGAGGACCCCTAAACC

1801 ggttctctgaaaaactcattgcaccactgctgtgccttggatgctagttggagta 1860
 CCAACGAGACCTTTGAGTAAACGTTGGTACGACACGGAACCTTACGATCAACCTCATTA

1861 aaatctctggaacagatttggatcacacagacctggatggagtgaggacagagaaattaac 1920
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1921 aattacacaagcttaatacactcottaattgaagaatcgaaaaccagcaagaaaagaat 1980
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1981 gaacaagaattattggaattagataaaatgggcaagtttgggaattggttaacataaca 2040
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2101 atagttttgctgtactttctatagtgaaatagagttaggcagggatattcaccattatcg 2160
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2161 tttcagaccacctcccaaccccgaggggaccgacagggcccgaaggaatagaagaagaa 2220
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2221 ggtggagagagagacagagacagatccattcgattagtgaaacggtatctcgacggtatcga 2280
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2281 aagcttgggattcgaatttaaaagaaaggggggattgggggtacagtcaggggaaag 2340
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2341 aatagtagacataatagcaacagacatacaactaagaactacaaaacaaattacaaa 2400
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2401 aattcaaaatcttgggtttttcgaacctagggttccggttacataacttacggtaaat 2460
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2461 ggccccctggctgaccgcccacgacccccgcccattgacgtcaataatgacgtatggt 2520
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2521 cccatagtaacgccaatagggactttccattgacgtcaatgggtggagattttacggtaa 2580


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XhoI                                     SV40 prom(3952,4220)>>>
|                                     |
3901 gctcagagtacccatacagcgtcccagactacgcttgagtttaaacacgcgtggtgtggaa 3960
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3961 agtccccaggctccccagcaggcagaagtatgcaaagcatgcatctcaattagtcagcaa 4020
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4021 ccagggtgtgaaagtccccaggctccccagcaggcagaagtatgcaaagcatgcatctca 4080
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                                     SV40 origin(4119,4196)>>>
|
4081 attagtcagcaaccatagtcgccccctaactccgccatcccgccctaactccgccca 4140
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                                     ORF_2 rf(1)(4186,4854)>>>
|
4141 gttccgccattctccgcccatggctgactaatttttttattatgacagagcccgagg 4200
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SfiI                                     puro marker(4255,4854)>>>
|                                     |
4201 ccgcctcgcctctgagctattccagaagttagtgaggagcttttttggaggccatgacc 4260
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4261 gagtacaagcccacggtgcgcctcgcaccgccgacgacgtccctcggggcgtacgcacc 4320
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4321 ctgcgcgcgcgcttcgccgactaccgccacgcgcacaccgtggaccggaccgccac 4380
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delta_U3 other (5464, 5516) >>>
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NEOKAN prom (7475, 7524) >>>
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NTP_II marker (7616, 8404) >>>
BclI ORF_3 rf(2) (7613, 8407) >>>
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Features

5'-LTR
Start: 486 End: 2177
Original Location Description:
486..2177
CMV Pro
Start: 2433 End: 3061
Original Location Description:
2433..3061
GFP
Start: 3188 End: 3901
Original Location Description:
3188..3901
SV40
Start: 3952 End: 4254
Original Location Description:
3952..4254
Pur
Start: 4255 End: 4854
Original Location Description:
4255..4854
3'-LTR
Start: 5940 End: 4855 (Complementary)
Original Location Description:
complement(5940..4855)
Kan
Start: 7613 End: 8404
Original Location Description:
7613..8404