

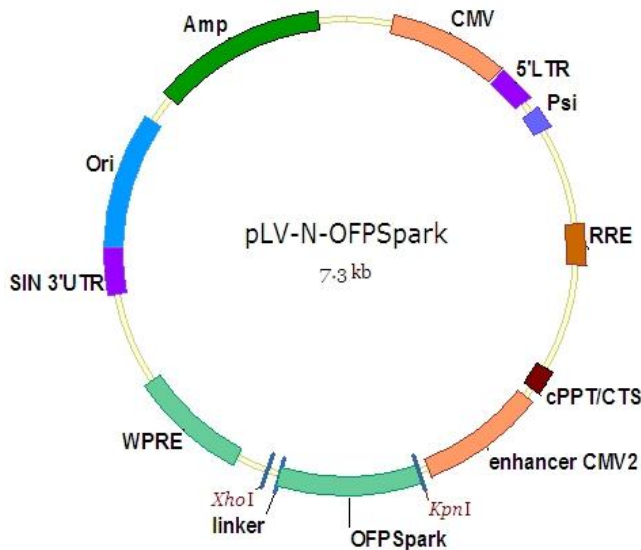
pLV-N-OFPSpark Lentivirus Control Plasmid



Sino Biological
Biological Solution Specialist

Catalog Number: LVCV-12

Physical Map of Plasmid



Vector Name	pLV-N-OFPSpark
Vector Size	7293bp
Vector Type	Lentiviral Vector
Promoter	CMV
Antibiotic Resistance	Ampicillin
Protein Tag	OFPSpark

Schematic of pLV-N-OFPSpark Multiple Cloning Sites

GCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTC TAATACG
 pLen-F sequencing Primer EcoR I
 ACTCACTATAGGGGCGCCACCAAGCTTGGTACC ATG GATAGCACTGAGAACGTCATCAAGCCCTTCATGCGCTT
Kpn I M OFPSpark sequence
 CAAGGTGCACATGGAGGGCTCCGTGAACGGCCACGAGTTCGAGATCGAGGGCGTGGGCGAGGGCCGCCCCCTACG
 AGGGCTTTTCAGACCGCTAAGCTGAAGGTGACCAAGGGTGGCCCCCTGCCCTTCGCCTGGGACATCCTGTCCCCCTC
 ATTTACCTACGGCTCCAAGGCCTACGTGAAGCACCCCGCCGACATCCCCGACTACTTGAAGCTGTCTTCCCCGA
 GGGCTTCAAGTGGGAGCGCGTGATGAAGTACGAGGACGGCGGCGTGGTGACCGTGACCCAGGACTCCTCCCTACA
 GGACGGCGAGTTCATCTACAAGGTGAAGCTGCGCGGCACCAACTTCCCCTCCGACGGCCCCGTGATGCAGAAGAA
 GACCATGGGCTGGGAGGCCTCCTCCGAGCGGATGTACCCCGAGGACGGTGGCCCTGAAGGGCAAGATCAAGATGA
 GGCTGAAGCTGAAGGACGGCGGCCACTACACCTCCGAGGTCAAGACCACCTACAAGGCCAAGAAGCCCGTGCAGC
 TGCCCGGCGCCTACATCGTCGACATCAAGTTGGACATCACCTCCACAACGAGGACTACACCATCGTGAACAGTA
 CGAACGCGCCGAGGGCCGCCACCACTGTTCCAG

 linker Afe I Nhe I
 GGT GGA GGC GGT AGC GCTGCTAGCGGATCCGTTAACCTTAAGACCGGTGATATCATCGAT TAA ACTCGAG
G G G G S stop Xho I
 TCTGCGGCCGCGCTTTAAACGGCCGGCCGCGGTCTGTACAAGTAGGATTCGTCGAGGGACCTAATAACTTCG
Not I Pme I
 TATAGCATACATTATACGAAGTTATACATGTTTAAGGGTTCCGGTTC
pLen-R sequencing Primer

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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<http://www.sinobiological.com>



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Other Information

Lot : Please refer to the label on the tube

Shipping carrier : Each tube contains approximately 10 µg of lyophilized plasmid.

Storage : The lyophilized plasmid can be stored at ambient temperature for three months.

Sequencing primer list :

pLen-F: 5' CTCGTTTAGTGAACCGTCAGAATT 3'

pLen-R : 5' GAACCGGAACCCTTAAACATGT 3'

pLen-F and pLen2-R are designed by Sino Biological Inc. Customers can order the primer pair from any oligonucleotide supplier.

Plasmid Resuspension protocol

1. Centrifuge at $5,000 \times g$ for 5 min.
2. Carefully open the tube and add 100 µl of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than $5000 \times g$.
5. Store the plasmid at -20°C .

E. coli strains for transformation (recommended but not limited)

Most commercially available competent cells are appropriate for the plasmid, e.g. Stbl3, TOP10, DH5α and JM109.