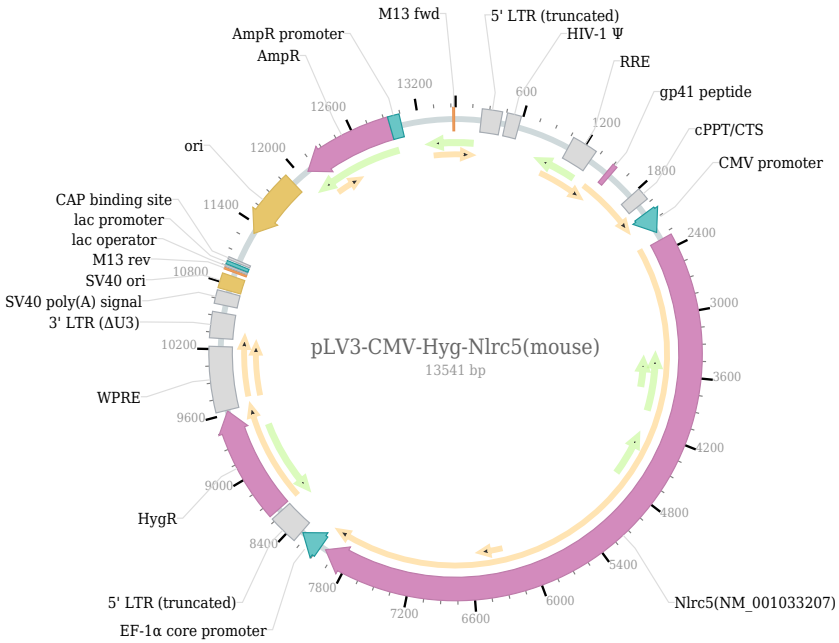
pLV3-CMV-Hyg-Nlrc5(mouse)

Vector ID	V038058
Accession ID	NM_001033207.3
Antibiotic Resistance	Ampicillin
Length	13541 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Hyg
Copy Number	High
Promoter	CMV
5' Primer	CMV-F
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Expression Method	Constiutive, Stable / Transient
Comment	pLV3-CMV-Hyg-Nlrc5(mouse) is third-generation HIV-1-based lentiviral vector (Cat. No. V038058) expressing full-length mouse Nlrc5 (NM_001033207.3; NLR family, CARD domain containing 5) from the CMV immediate-early promoter. A separate EF-1α promoter drives hygromycin B resistance for mammalian selection; WPRE and cPPT/CTS boost titer and nuclear import. Bacterial selection is AmpR with a high-copy ColE1 ori; an SV40 ori permits replication in T-antigen lines. Propagate in Stbl3 at 37 °C to limit LTR recombination.

Vector Map



Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 μl for 5 μg plasmid, and 100 μl for 100 μg plasmid.
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×g.
5. Store the plasmid at -20 ℃.