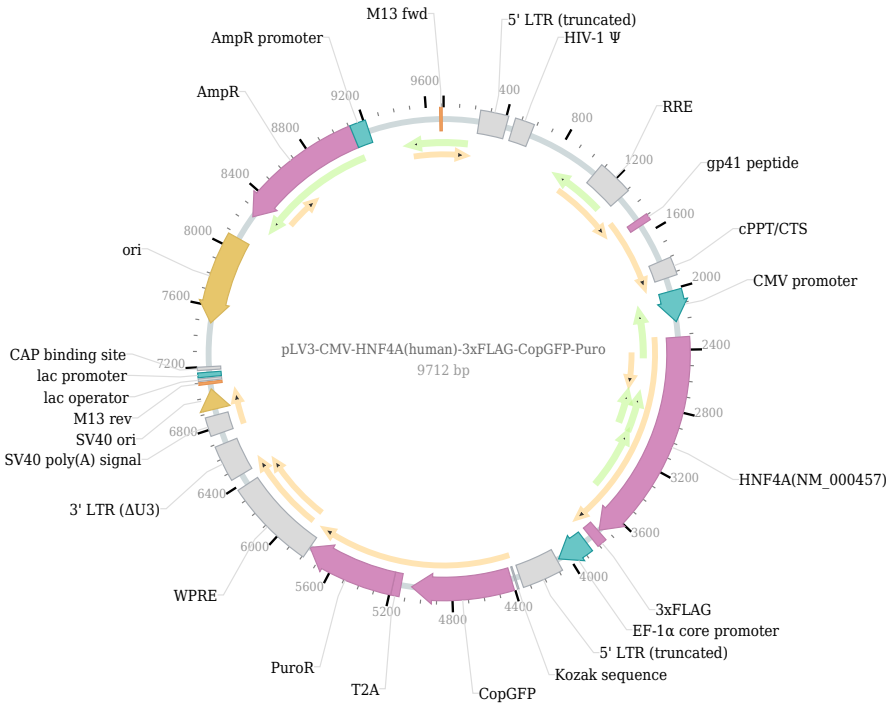
pLV3-CMV-HNF4A(human)-3xFLAG-CopGFP-Puro

Vector ID	V042269
Accession ID	NM_000457.6
Antibiotic Resistance	Ampicillin
Length	9712 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro;CopGFP
Copy Number	High
Promoter	CMV
5' Primer	CMV-F
Fusion Tag	3xFLAG
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Expression Method	Constiutive, Stable / Transient
Comment	pLV3-CMV-HNF4A(human)-3xFLAG-CopGFP-Puro is a lentiviral expression vector, which is designed for expressing the human HNF4A gene with an N-terminal 3xFLAG tag and a C-terminal CopGFP fluorescent protein, driven by a CMV promoter. A PuroR gene under the PGK promoter allows for stable cell selection. Key elements include HIV-1 LTRs, RRE, Tat, and cPPT/CTS for efficient viral packaging and transduction, along with an AmpR/ori cassette for bacterial propagation.

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 ℃.