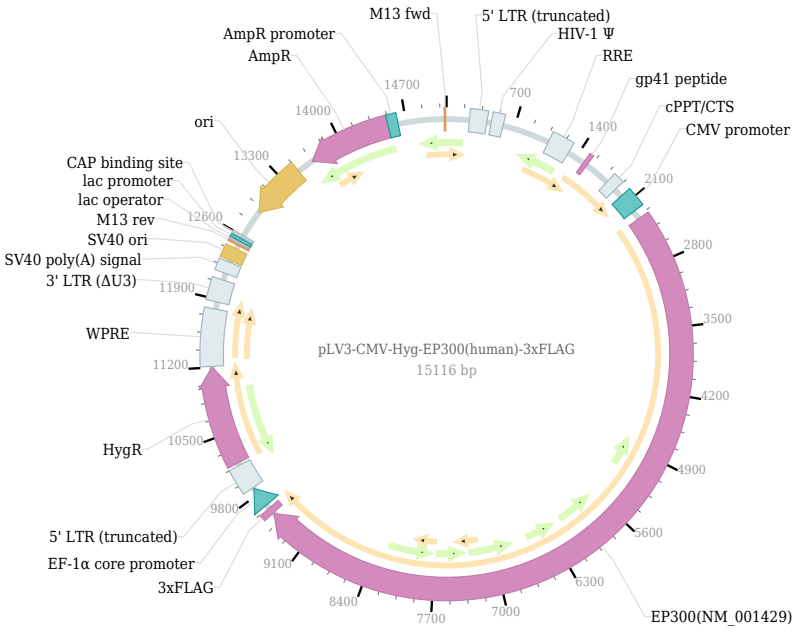
pLV3-CMV-Hyg-EP300(human)-3xFLAG

Vector ID	V041947
Accession ID	NM_001429.4
Antibiotic Resistance	Ampicillin
Length	15116 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
Fusion Tag	3xFLAG
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Expression Method	Constiutive, Stable / Transient
Comment	This is a 15116 bp third-generation lentiviral vector, pLV3-CMV-Hyg-EP300(human)-3xFLAG. It is designed to express the human EP300 gene (NM_001429) fused with a 3xFLAG tag under the control of the strong CMV promoter. The vector includes the HygR gene for antibiotic selection and all essential HIV-1 packaging elements (Ψ, RRE, cPPT/CTS) for efficient viral production. It also features the EF-1α core promoter for robust transgene expression.

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 ℃.