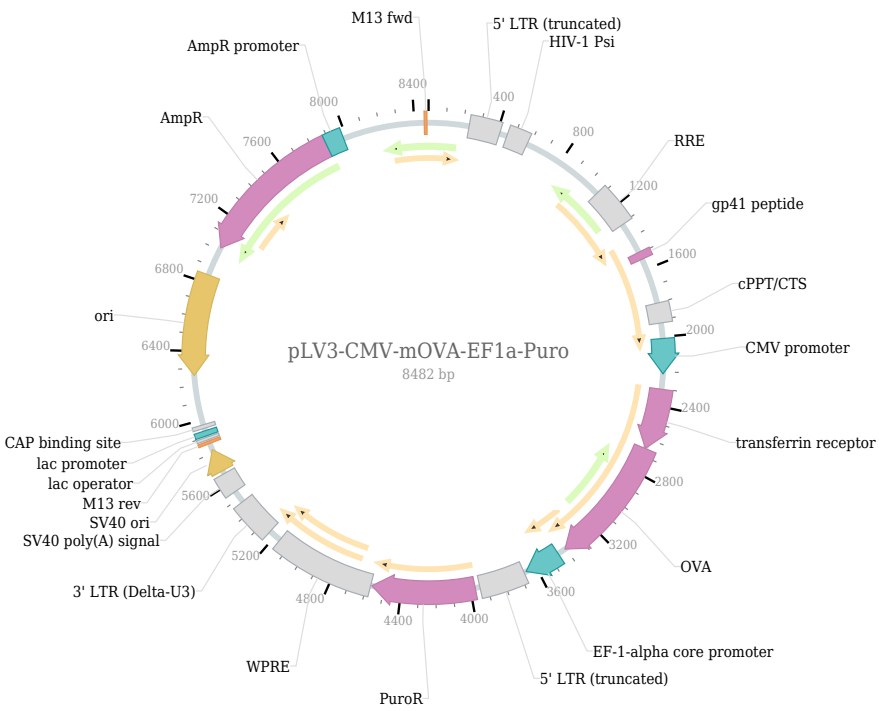
pLV3-CMV-mOVA-EF1a-Puro

Vector ID	V018042
Antibiotic Resistance	Ampicillin
Length	8482 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	CMV
5' Primer	CMV-F
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	The plasmid vector pLV3-CMV-mOVA-EF1a-Puro is a lentiviral vector designed for mammalian expression. It utilizes the CMV promoter to drive the mOVA (ovalbumin) transgene and the EF1a promoter to control the puromycin resistance gene, enabling stable selection of transduced cells.

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 ℃.