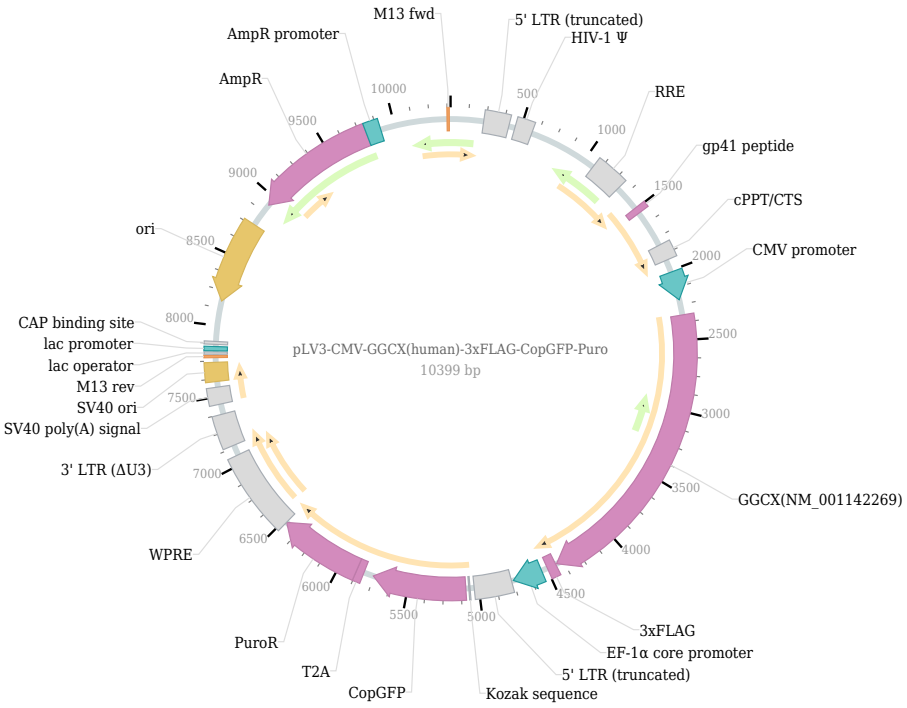
pLV3-CMV-GGCX(human)-3xFLAG-CopGFP-Puro

Vector ID	V032768
Accession ID	NM_001142269.4
Antibiotic Resistance	Ampicillin
Length	10399 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro;CopGFP
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 10399 bp third-generation lentiviral vector, pLVX-CMV-GGCX(human)-3xFLAG-CopGFP-Puro. It is designed to express a human GGCX protein with a C-terminal 3xFLAG tag under the strong CMV promoter. The vector includes an internal ribosome entry site (IRES) driving the PuroR gene for antibiotic selection. It also contains the WPRE element to enhance mRNA stability and expression, along with all essential HIV-1 packaging components for efficient viral production.

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 ℃.