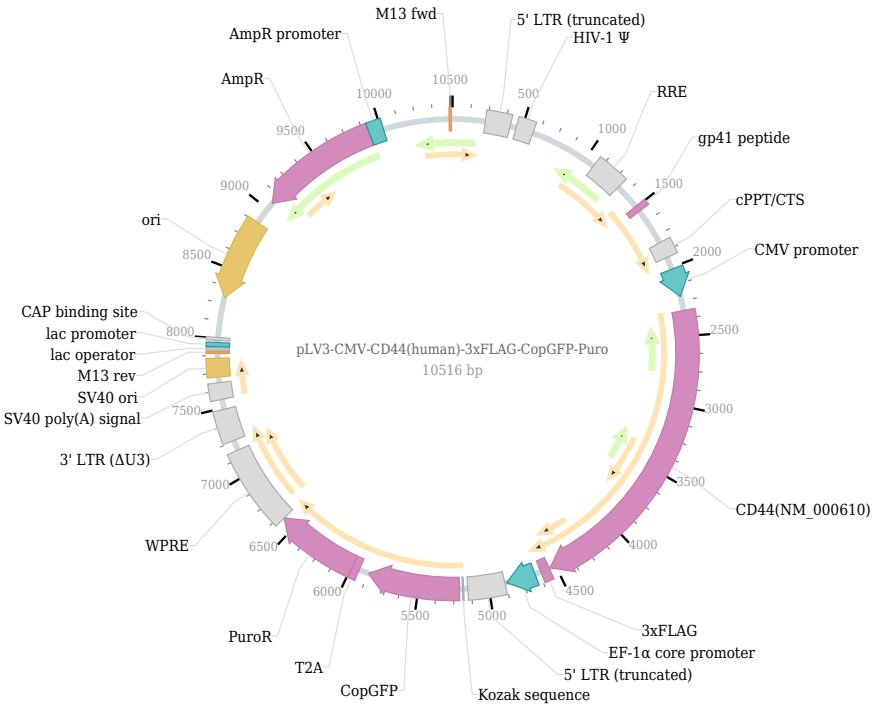
pLV3-CMV-CD44(human)-3xFLAG-CopGFP-Puro

Vector ID	V039699
Accession ID	NM_000610.4
Antibiotic Resistance	Ampicillin
Length	10516 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro;CopGFP
Copy Number	High
Promoter	CMV
3' Primer	EF1a-R
Fusion Tag	3xFLAG
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Expression Method	Constiutive, Stable / Transient
Comment	pLV3-CMV-CD44-3xFLAG-CopGFP-Puro is a lentiviral vector for tracking human CD44 expression. The CMV promoter drives expression of CD44 fused with 3xFLAG and CopGFP (copepod green fluorescent protein), followed by a T2A ribosomal skip sequence and PuroR (puromycin resistance) driven by an EF-1α core promoter. Lentiviral elements include 5‘ LTR, HIV-1 Ψ, RRE, cPPT/CTS, gp41, WPRE, and 3’ ΔU3 LTR. The vector also carries AmpR for bacterial selection.

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 ℃.