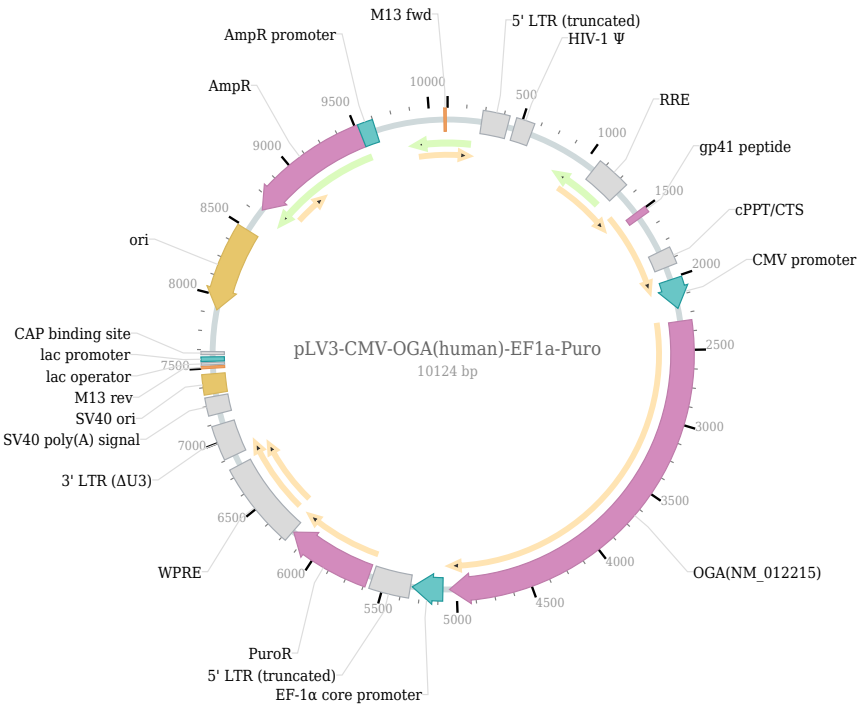
pLV3-CMV-OGA(human)-EF1a-Puro

Vector ID	V025893
Accession ID	NM_012215.5
Antibiotic Resistance	Ampicillin
Length	10124 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	CMV
Expression Method	Constiutive, Stable / Transient
Comment	pLV3-CMV-OGA-EF1a-Puro is a lentiviral vector expressing human OGA (O-GlcNAcase). A CMV promoter drives OGA expression, while an EF-1α promoter drives PuroR (puromycin resistance). Includes WPRE, ΔU3 LTR, and AmpR. Ideal for studying protein O-GlcNAcylation dynamics.

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 ℃.