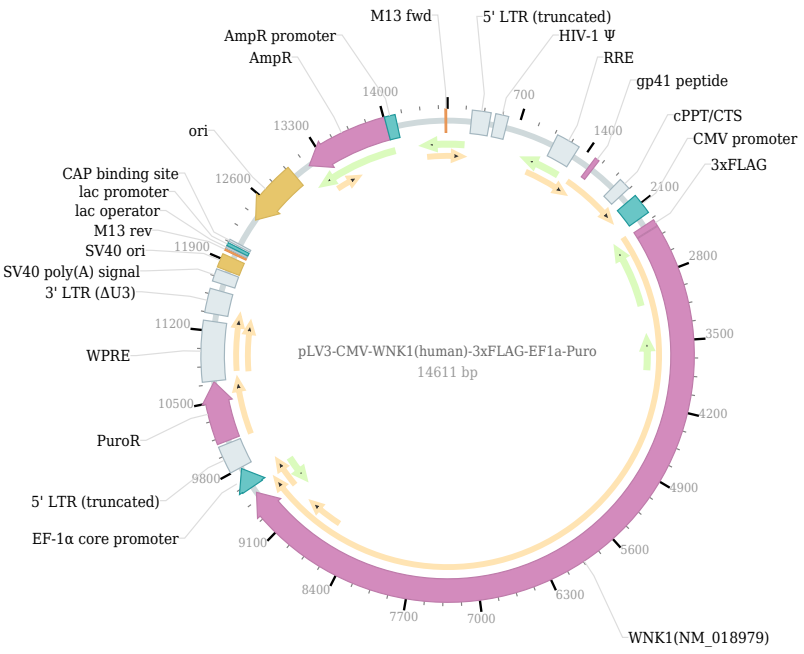
pLV3-CMV-WNK1(human)-3xFLAG-EF1a-Puro

Vector ID	V033993
Accession ID	NM_018979.4
Antibiotic Resistance	Ampicillin
Length	14611 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	CMV
5' Primer	CMV-F
Fusion Tag	3xFLAG
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Expression Method	Constiutive, Stable / Transient
Comment	pLV3-CMV-WNK1(human)-3xFLAG-EF1a-Puro is a pLV3 lentiviral vector overexpressing human WNK1 (with-no-lysine kinase 1), a master regulator of ion homeostasis and blood pressure acting via SPAK/OSR1 and WNK-body formation, as a 3xFLAG-tagged protein under the CMV promoter, with EF1a-driven puromycin selection. AmpR, Stbl3.

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 ℃.