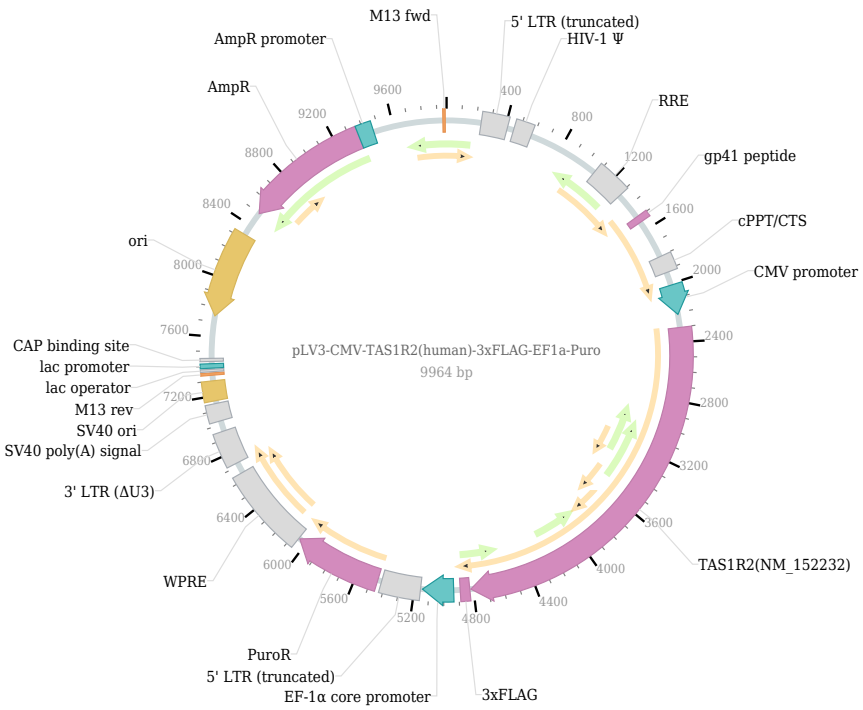
pLV3-CMV-TAS1R2(human)-3xFLAG-EF1a-Puro

Vector ID	V028836
Accession ID	NM_152232.6
Antibiotic Resistance	Ampicillin
Length	9964 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-TAS1R2-3xFLAG-EF1a-Puro is a lentiviral vector expressing human TAS1R2 (sweet taste receptor subunit) with a C-terminal 3xFLAG tag. A CMV promoter drives TAS1R2-3xFLAG, while an EF-1α promoter drives PuroR (puromycin resistance). Includes WPRE, ΔU3 LTR, and AmpR.

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 ℃.