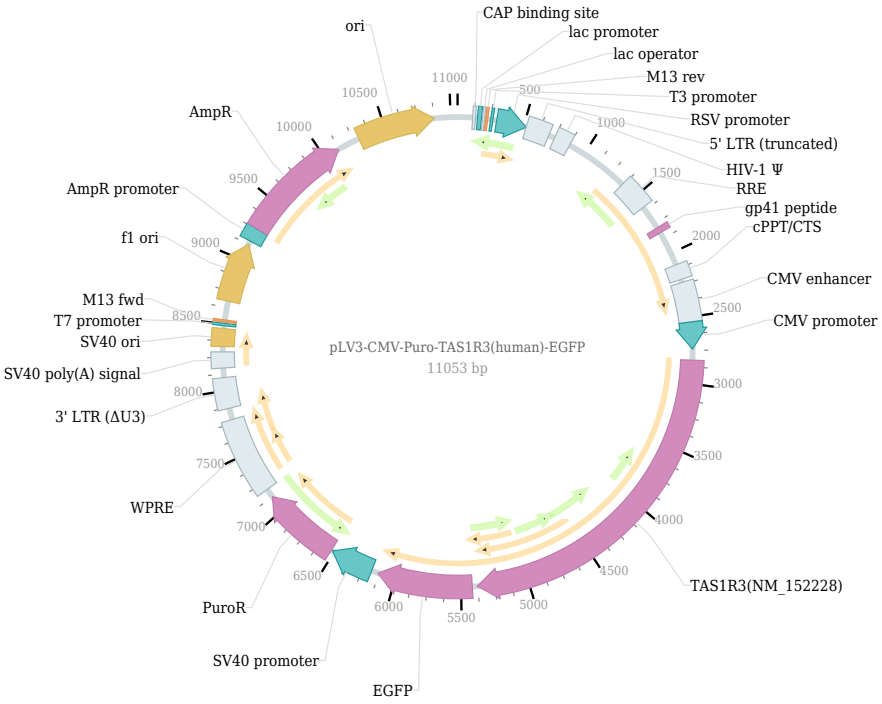
pLV3-CMV-Puro-TAS1R3(human)-EGFP

Vector ID	V042930
Accession ID	NM_152228.3
Antibiotic Resistance	Ampicillin
Length	11053 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro;EGFP
Copy Number	High
Promoter	CMV
5' Primer	CMV-F
Fusion Tag	EGFP
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Expression Method	Constiutive, Stable / Transient
Comment	pLV3-CMV-Puro-TAS1R3(human)-EGFP is a lentiviral vector for stable expression of human TAS1R3 (taste receptor type 1 member 3) fused with C-terminal EGFP. A CMV promoter drives the TAS1R3-EGFP fusion, while a separate SV40 promoter drives PuroR (puromycin resistance) for selection. The vector includes WPRE for enhanced expression, 3'ΔU3 LTR for self-inactivating biosafety, and AmpR for bacterial selection (100 μg/mL). Also present are SV40 ori/poly(A), T7 promoter, and M13 fwd for sequencing.

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 ℃.