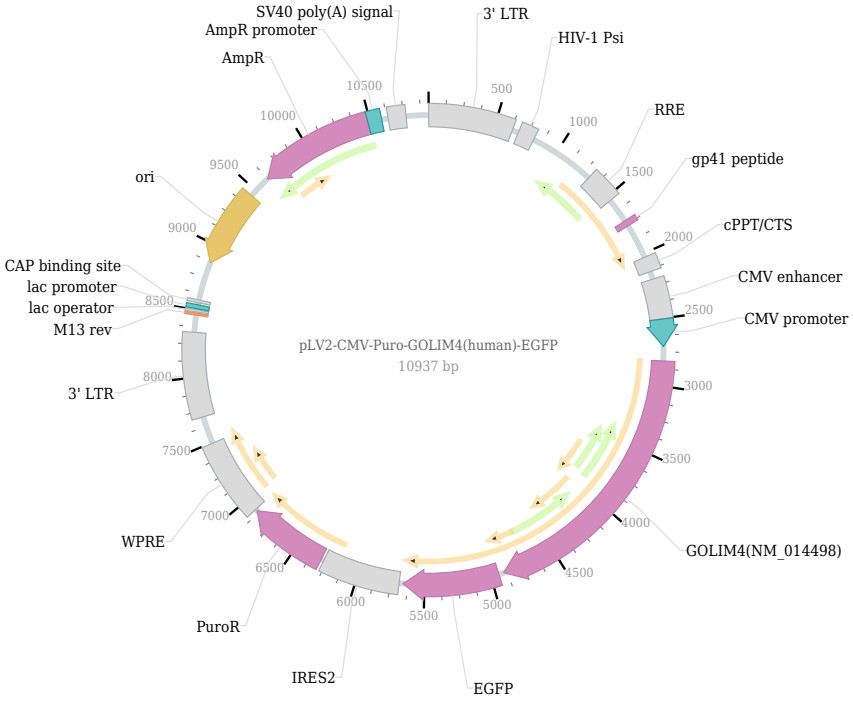
pLV2-CMV-Puro-GOLIM4(human)-EGFP

Vector ID	V042410
Accession ID	NM_014498.5
Antibiotic Resistance	Ampicillin
Length	10937 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro;EGFP
Copy Number	Low
Promoter	CMV
5' Primer	CMV-F
Fusion Tag	EGFP
Growth Strain(s)	EPI400
Growth Temperature	30℃
Expression Method	Constiutive, Stable / Transient
Comment	This is a 10937 bp lentiviral vector, pLV2-CMV-Puro-GOLIM4(human)-EGFP. It is designed to express the human GOLIM4 gene fused with EGFP, driven by a CMV promoter. The construct includes a puromycin resistance gene (PuroR) for selection and essential lentiviral elements such as the HIV-1 Psi packaging signal, RRE, cPPT/CTS, and WPRE for efficient viral transduction and RNA stability. It also contains an IRES2 sequence and bacterial elements for propagation.

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 ℃.