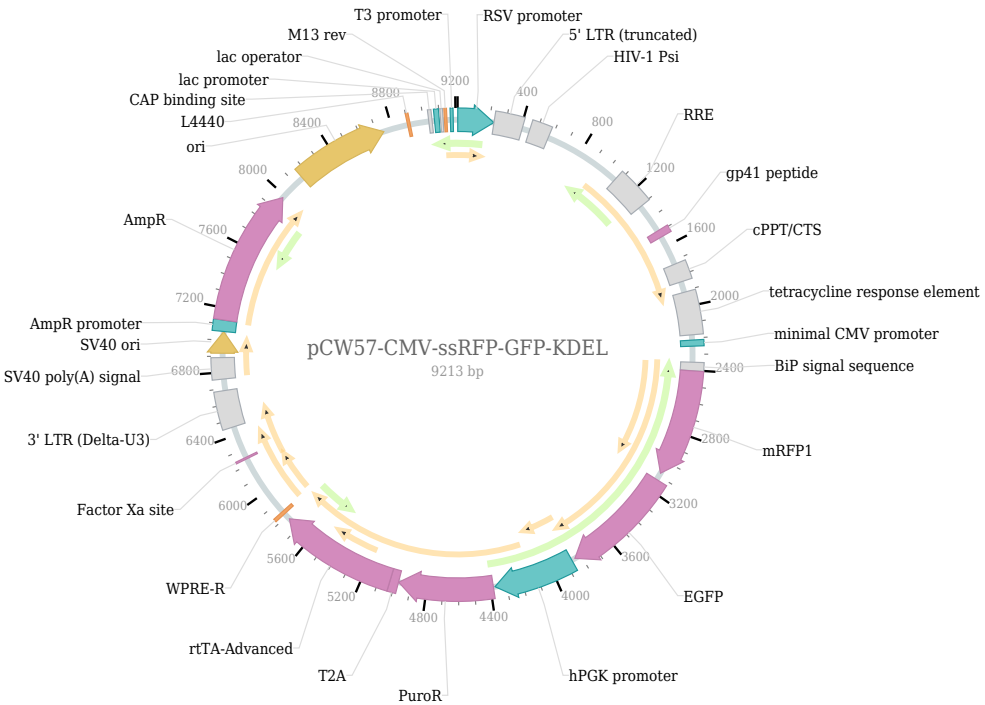
pCW57-CMV-ssRFP-GFP-KDEL

Vector ID	V007333
Antibiotic Resistance	Ampicillin
Length	9213 bp
Vector Type	Mammalian Expression, Lentiviral

Product Information

Replication Origin	ori
Selection Marker	Puromycin
Copy Number	Low Copy
Promoter	hPGK
Cloning Method	Gibson Cloning
5' Primer	CCATCCACGCTGTTTTGACCTC
Growth Strain(s)	DH10B
Comment	pCW57-CMV-ssRFP-GFP-KDEL is a fluorescent reporter plasmid for monitoring endoplasmic reticulum autophagy. It carries a signal peptide-RFP-GFP-KDEL fusion protein driven by the CMV promoter, providing a visual representation of endoplasmic reticulum degradation through changes in fluorescence.

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 ℃.