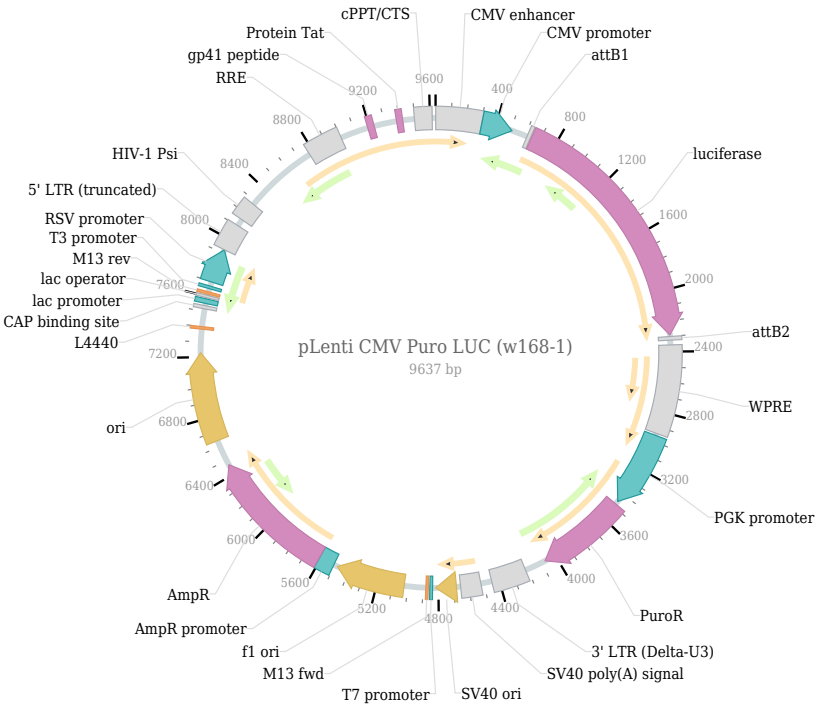
pLenti CMV Puro LUC (w168-1)

Vector ID	V001361
Antibiotic Resistance	Ampicillin
Length	9637 bp
Vector Type	Mammalian Expression, Lentiviral

Product Information

Replication Origin	ori
Selection Marker	Puromycin
Copy Number	High Copy
Promoter	mPGK
Cloning Method	Restriction Enzyme
5' Primer	CMVforw
Growth Temperature	37℃
Comment	pLenti CMV Puro LUC (w168-1) is a third-generation lentiviral vector (Campeau & Kaufman) expressing firefly luciferase from the CMV promoter together with a PGK-driven puromycin resistance cassette. It is used to generate stable luciferase reporter cells for in vitro and in vivo bioluminescence imaging; AmpR, propagate in 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 ℃.