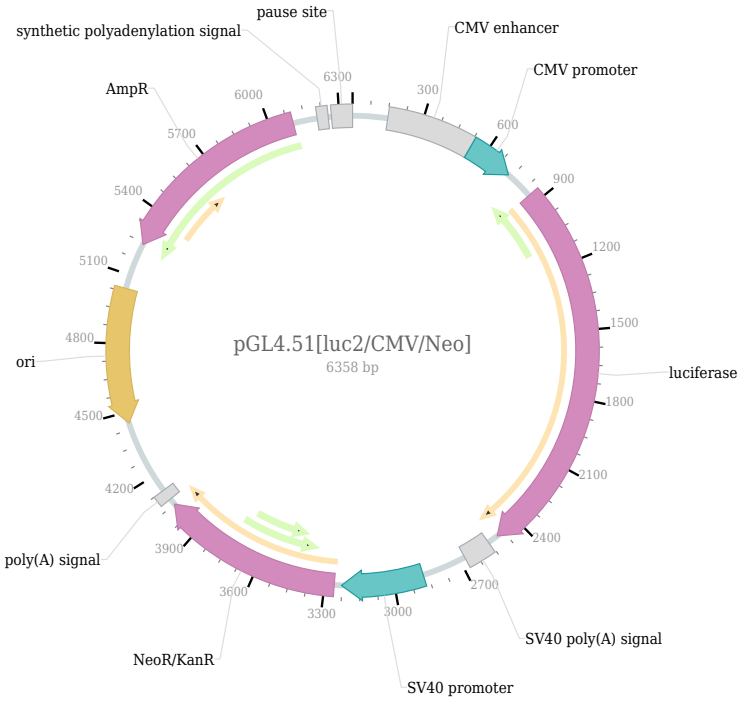
pGL4.51[luc2/CMV/Neo]

Vector ID	V011500
Antibiotic Resistance	Ampicillin
Length	6358 bp
Vector Type	Luciferase Vectors

Product Information

Replication Origin	ori
Source/Author	Promega
Selection Marker	Neomycin/G418(Geneticin)
Copy Number	High copy number
Promoter	CMV
Growth Strain(s)	DH10B
Comment	pGL4.51[luc2/CMV/Neo] is a firefly luciferase reporter in which the CMV promoter constitutively drives the codon-optimized luc2 gene. It serves as a positive expression control or co-reporter in dual-luciferase assays, with neomycin (G418) resistance for generating stable reporter cell lines and AmpR for E. coli 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 ℃.