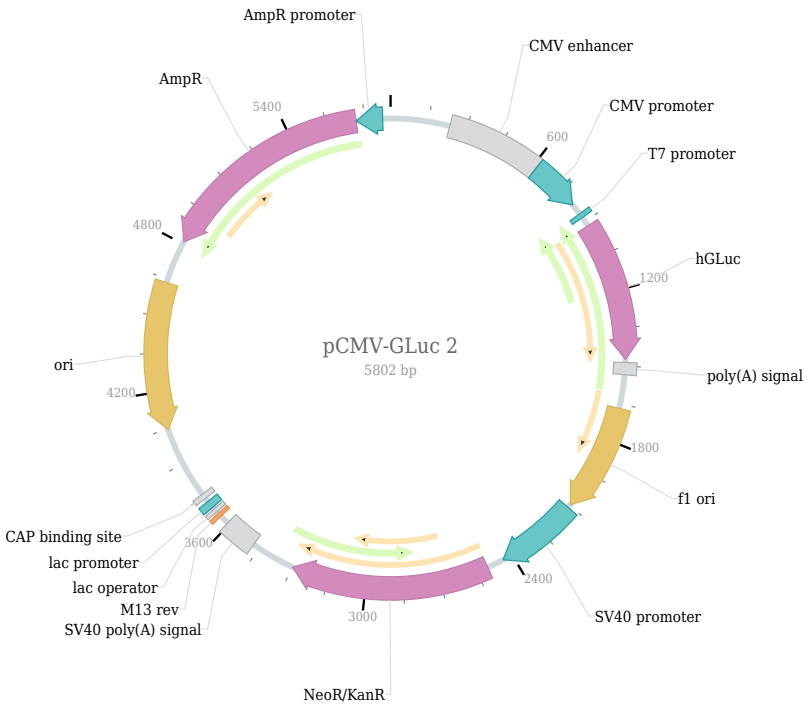
pCMV-GLuc 2

Vector ID	V011554
Antibiotic Resistance	Ampicillin
Length	5802 bp
Vector Type	Luciferase Vectors

Product Information

Replication Origin	ori
Source/Author	New England Biolabs
Selection Marker	Neomycin/G418(Geneticin)
Copy Number	High copy number
Growth Strain(s)	DH10B
Comment	pCMV-GLuc 2 is a mammalian expression control plasmid from NEB. It uses a strong constitutive CMV promoter to drive secreted Gaussia princeps luciferase (GLuc), a 19 kDa humanized, codon-optimized reporter bearing an N-terminal signal peptide. GLuc is secreted into medium for sensitive, real-time bioluminescence assays. A neomycin marker enables stable cell-line selection.

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 ℃.