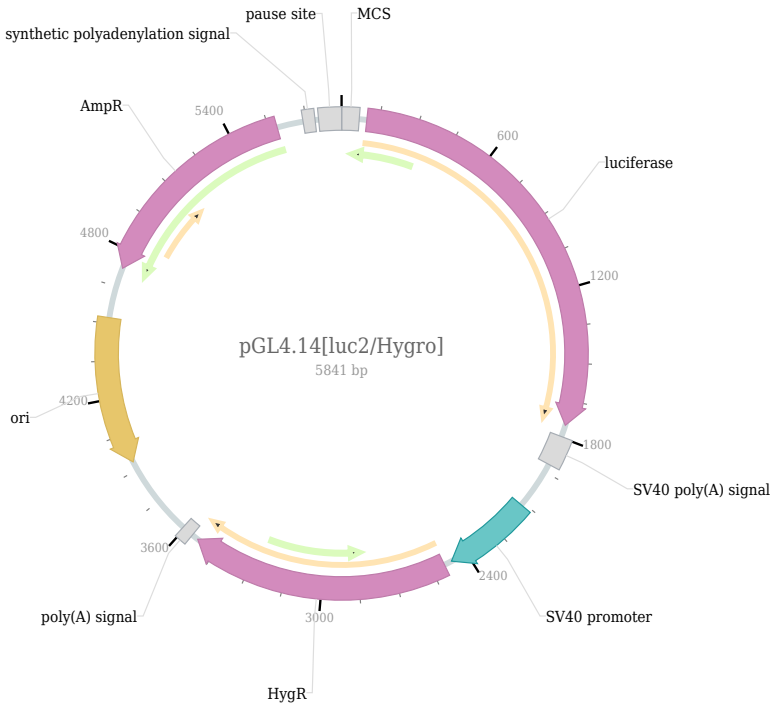
pGL4.14[luc2/Hygro]

Vector ID	V011536
Antibiotic Resistance	Ampicillin
Length	5841 bp
Vector Type	Luciferase Vectors

Product Information

Replication Origin	ori
Source/Author	Promega
Copy Number	High copy number
Promoter	SV40
Growth Strain(s)	DH10B
Comment	It is designed for constitutive expression of the luc2 firefly luciferase reporter gene, driven by the strong CMV promoter. For antibiotic selection, it incorporates the HygR (Hygromycin resistance) gene under the SV40 promoter. The vector also contains an MCS for custom cloning and features the AmpR gene for bacterial 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 ℃.