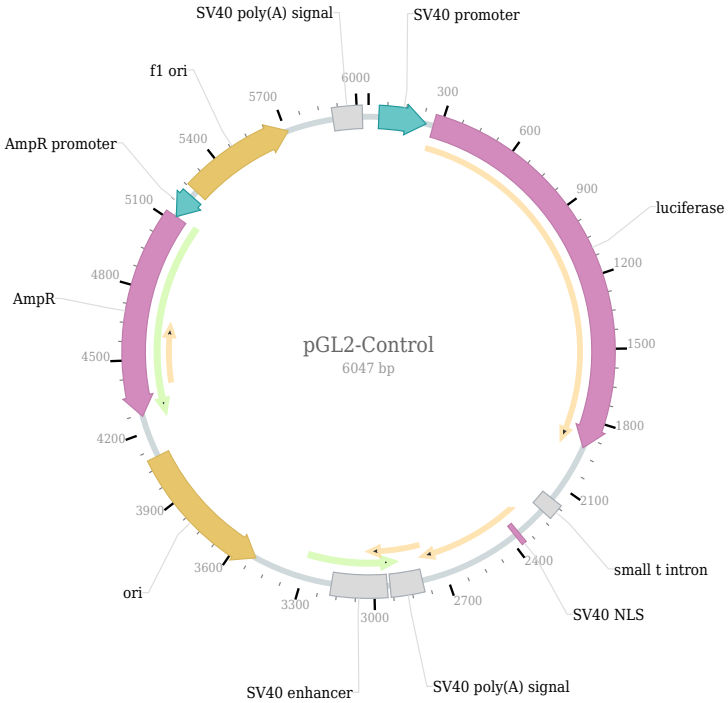
pGL2-Control

Vector ID	V011547
Antibiotic Resistance	Ampicillin
Length	6047 bp
Vector Type	Luciferase Vectors

Product Information

Replication Origin	ori
Source/Author	Promega
Copy Number	High copy number
Growth Temperature	37℃
Comment	pGL2-Control (Cat. V011547; 6,047 bp; GenBank X65324) is a firefly luciferase reporter vector in which the SV40 early promoter and SV40 enhancer drive Photinus pyralis luc, followed by an SV40 late poly(A) signal; an AmpR marker and ColE1 origin support high-copy propagation in E. coli. The constitutive SV40 element gives strong luciferase expression in most mammalian cells (de Wet et al., Mol Cell Biol 1987;7:725–37), so the plasmid serves as a positive transfection control and internal standard for normalising promoter/enhancer constructs

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 ℃.