pGL2-Basic

Vector ID	V011548
Antibiotic Resistance	Ampicillin
Length	5598 bp
Vector Type	Luciferase Vectors

Product Information

Replication Origin	ori
Source/Author	Promega
Copy Number	High copy number
Comment	pGL2-Basic is a promoterless firefly luciferase reporter vector (AmpR, f1 ori) for cloning and analyzing putative promoters/enhancers in transfected mammalian cells. It carries the wild-type Photinus pyralis luc gene, an upstream MCS, the SV40 small t intron and dual SV40 poly(A) signals; a second upstream poly(A) site minimizes background transcription.

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 ℃.