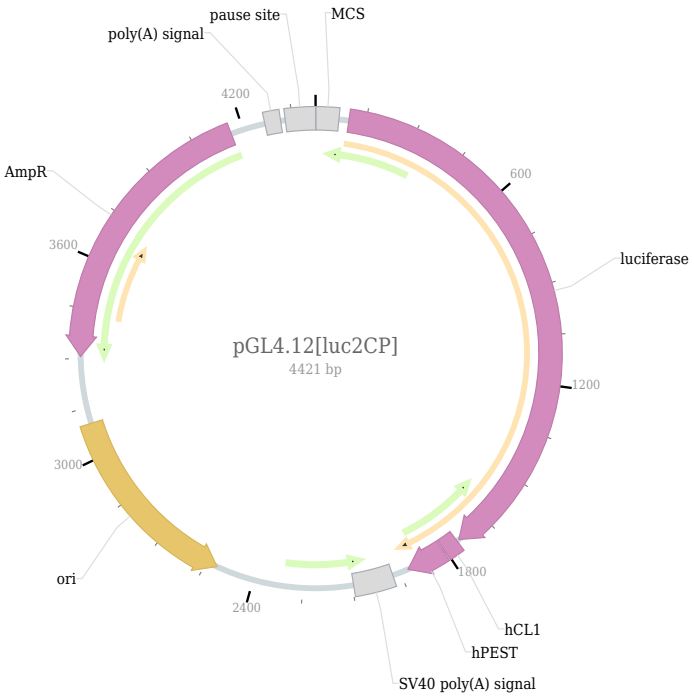
pGL4.12[luc2CP]

Vector ID	V011538
Antibiotic Resistance	Ampicillin
Length	4421 bp
Vector Type	Luciferase Vectors

Product Information

Replication Origin	ori
Source/Author	Promega
Copy Number	High copy number
Growth Strain(s)	Top10
Comment	pGL4.12[luc2CP] is a promoterless firefly luciferase basic vector for cloning a promoter of interest. The luc2CP reporter bears dual hCL1 and hPEST protein-destabilization sequences (approx. 0.4 h half-life vs 3 h for luc2), giving Rapid Response kinetics suited to dynamic transcriptional changes; cryptic regulatory elements were removed to minimize background (AmpR).

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 ℃.