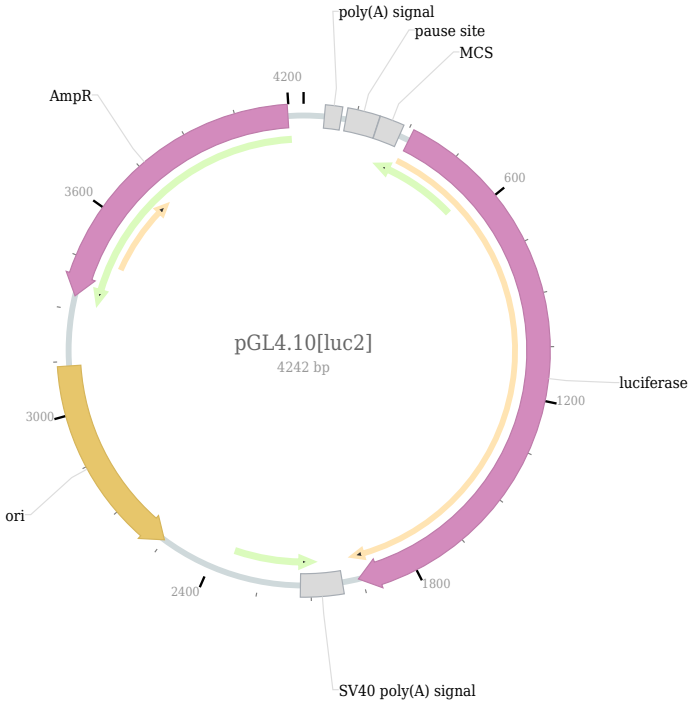
pGL4.10[luc2]

Vector ID	V011540
Antibiotic Resistance	Ampicillin
Length	4242 bp
Vector Type	Luciferase Vectors

Product Information

Replication Origin	ori
Source/Author	Promega
Copy Number	High copy number
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pGL4.10[luc2] is a promoterless firefly luciferase basic vector with an MCS upstream of the codon-optimized synthetic luc2 gene. Removal of cryptic transcription factor binding sites from both reporter and backbone markedly reduces background and anomalous transcription. A promoter of interest is cloned into the MCS to quantify transcriptional regulation in mammalian cells (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 ℃.