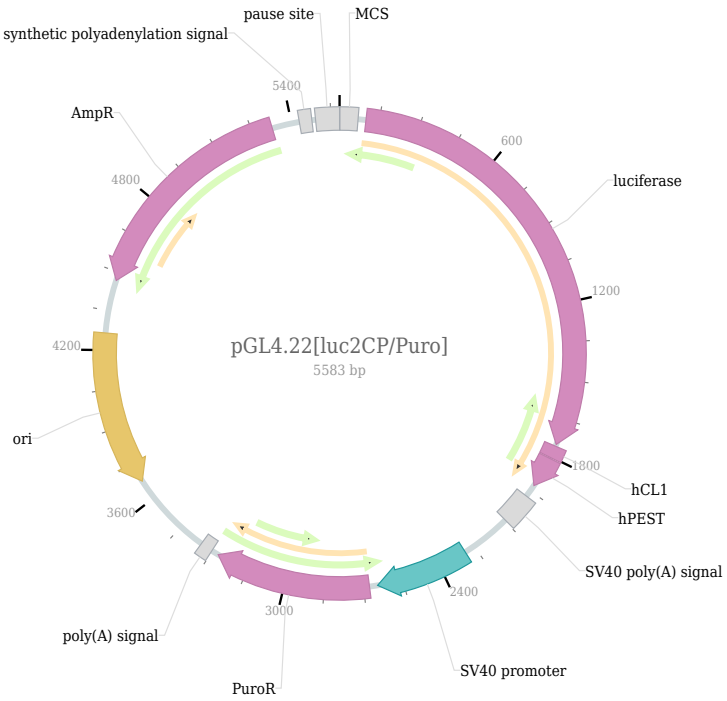
# pGL4.22[luc2CP/Puro]

| | |
|---|---|
| **Vector ID** | V011528 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 5583 bp |
| **Vector Type** | Luciferase Vectors |

## Product Information

| | |
|---|---|
| **Replication Origin** | ori |
| **Source/Author** | Promega |
| **Copy Number** | High copy number |
| **Growth Strain(s)** | DH10B |
| **Comment** | pGL4.22[luc2CP/Puro] is a promoterless firefly luciferase reporter vector from Promega's pGL4 series, designed for you to clone a putative promoter/enhancer fragment into its MCS so that the inserted regulatory element drives luc2CP (a destabilized, codon-optimized Photinus pyralis firefly luciferase), letting you quantitatively measure transcriptional activity — with a constitutive puromycin-resistance cassette on the side for selecting stable integrants. |

## 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 ℃.