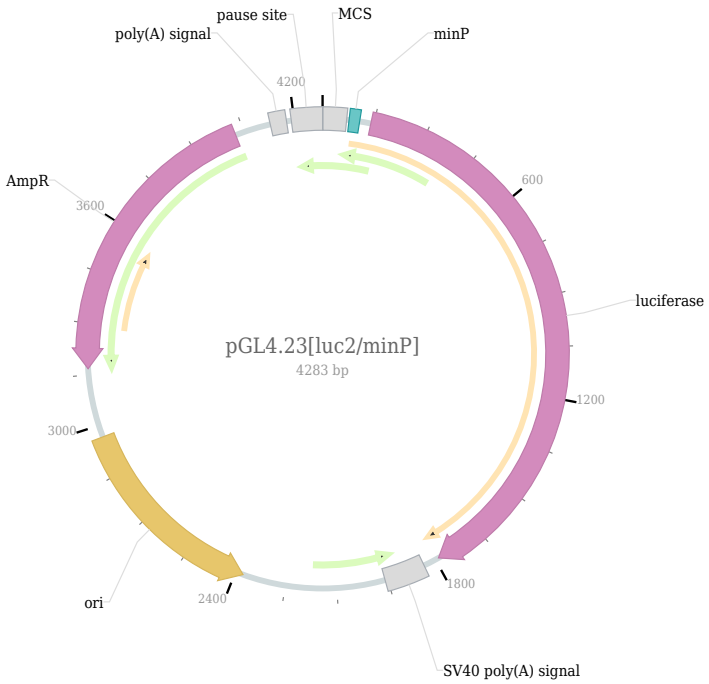
pGL4.23[luc2/minP]

Vector ID	V011527
Antibiotic Resistance	Ampicillin
Length	4283 bp
Vector Type	Luciferase Vectors

Product Information

Replication Origin	ori
Source/Author	Promega
Copy Number	High copy number
Promoter	minP
Growth Strain(s)	Top10
Comment	pGL4.23[luc2/minP] is a firefly luciferase reporter in which a 32 bp minimal TATA-box promoter (minP) drives the codon-optimized luc2 gene. Candidate enhancers or response elements cloned into the upstream MCS activate luciferase expression, enabling quantitative enhancer and pathway analysis in mammalian cells with low basal 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 ℃.