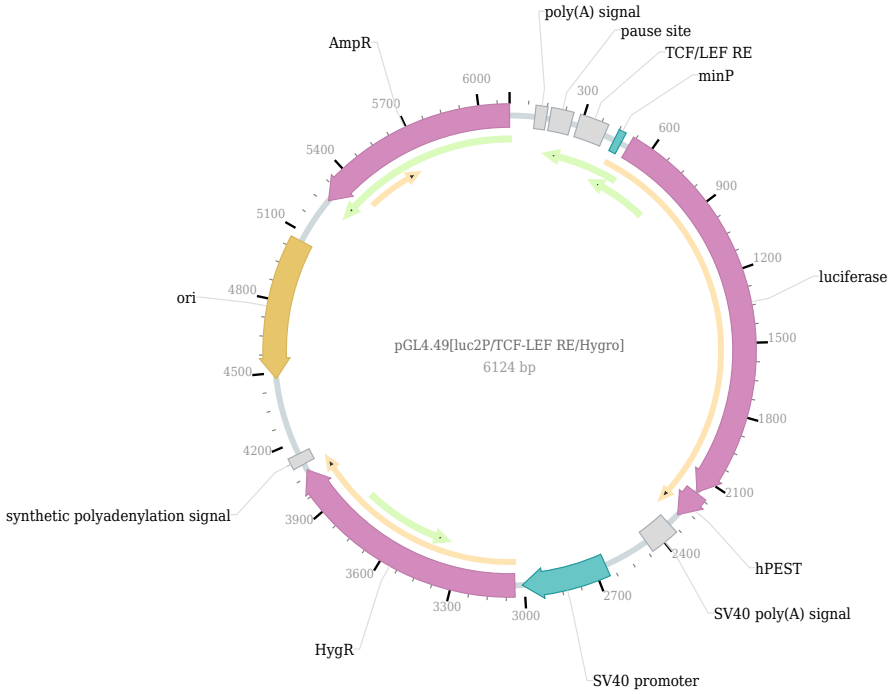
pGL4.49[luc2P/TCF-LEF RE/Hygro]

Vector ID	V011502
Antibiotic Resistance	Ampicillin
Length	6124 bp
Vector Type	Luciferase Vectors

Product Information

Replication Origin	ori
Source/Author	Promega
Copy Number	High copy number
Promoter	minP
Growth Strain(s)	DH10B
Comment	pGL4.49[luc2P/TCF-LEF RE/Hygro] is a pathway reporter in which multimerized TCF-LEF response elements upstream of a minimal promoter drive the destabilized luc2P (hPEST) firefly luciferase. It monitors Wnt/beta-catenin signaling in transfected cells, with hygromycin for stable line selection and AmpR for propagation in E. coli.

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 ℃.