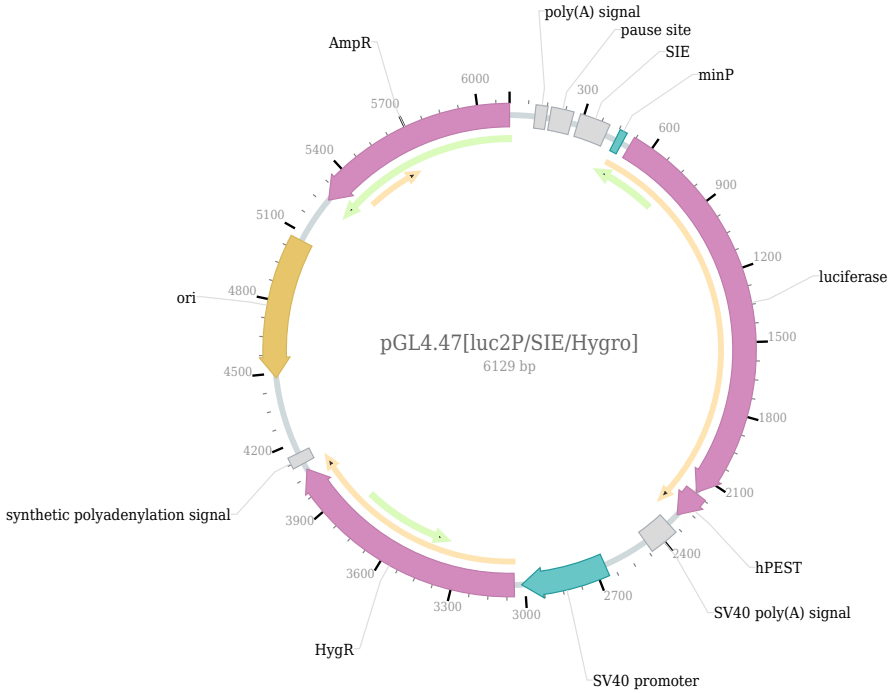
pGL4.47[luc2P/SIE/Hygro]

Vector ID	V011504
Antibiotic Resistance	Ampicillin
Length	6129 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	pGL4.47 [luc2P/SIE/Hygro] is a STAT3 signalling pathway reporter plasmid containing five SIE elements driving an unstable luc2P luciferase, used to monitor STAT3 activation induced by cytokines such as IL-6.

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 ℃.