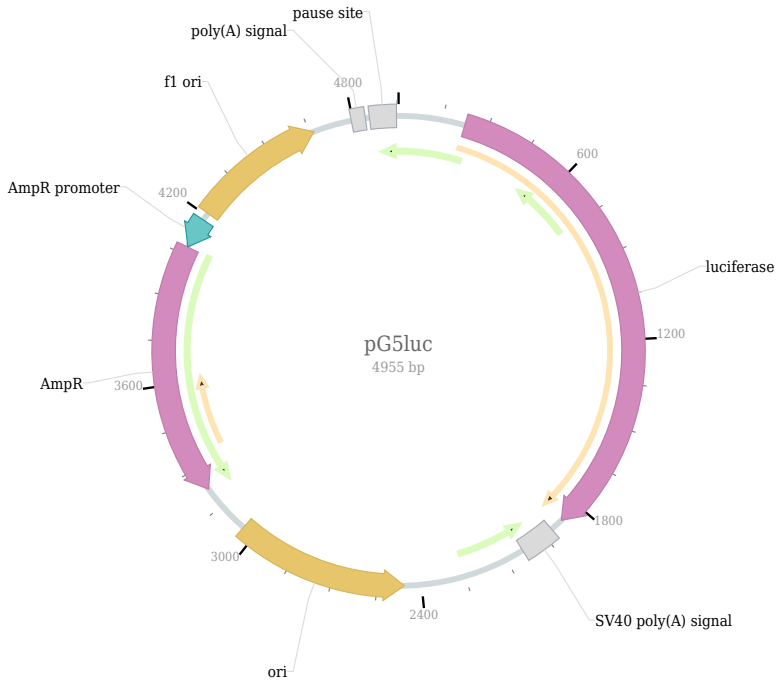
pG5luc

Vector ID	V010502
Antibiotic Resistance	Ampicillin
Length	4955 bp
Vector Type	Mammalian Two-Hybrid System

Product Information

Replication Origin	ori
Growth Strain(s)	DH10B
Comment	pG5luc is the reporter vector, carrying five GAL4 binding sites upstream of a minimal TATA box driving an enhanced firefly luciferase gene (luc+). Co-transfected with pBIND (GAL4 DNA-binding domain fusion) and pACT (VP16 activation domain fusion), protein–protein interaction reconstitutes transcription, increasing firefly luminescence normalized to Renilla.

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 ℃.