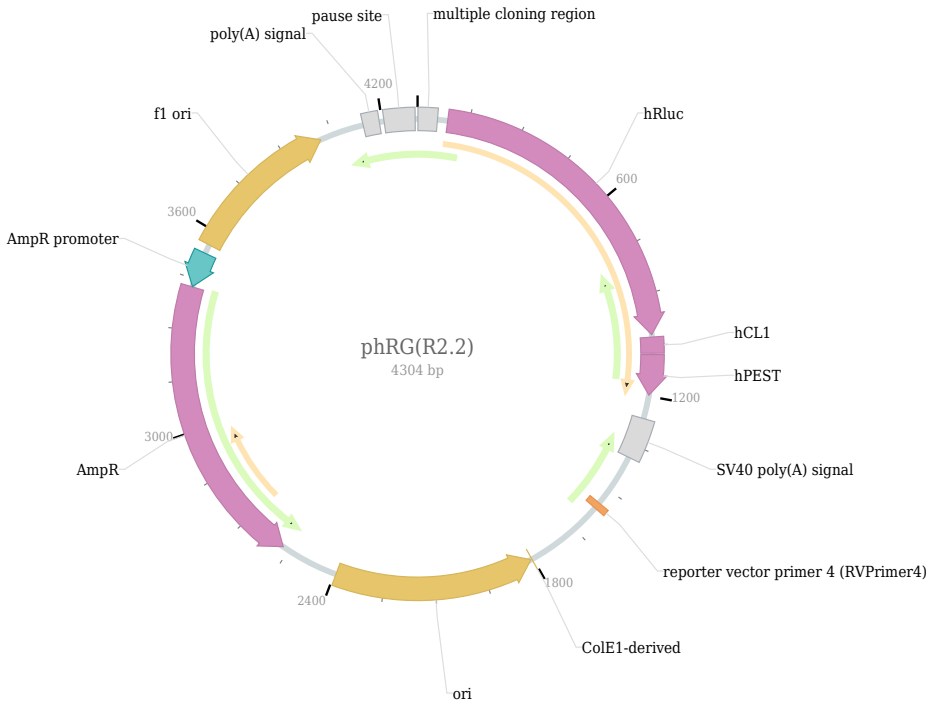
phRG(R2.2)

载体编号 Vector ID	V005502
抗性 Antibiotic Resistance	Ampicillin
长度 Length	4304 bp
载体类型 Vector Type	Reporter vector

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Almond BD, Chauvin F, Kenefick KB.
培养菌株 Growth Strain(s)	Top10
备注 Comment	phRG(R2.2) is a rapid-response mammalian reporter vector developed by Promega. It contains humanized Renilla luciferase gene hRluc fused with hCL1 and hPEST degron sequences, which confer rapid protein turnover to capture transient transcriptional dynamics. A multiple cloning region (MCR) upstream of hRluc enables insertion of target promoters or regulatory elements. The vector carries ampicillin resistance (AmpR) and ColE1 origin for propagation in E. coli, with f1 ori for single-stranded DNA production. SV40 poly(A) signal and RNA polymerase II pause/poly(A) elements are included for proper mRNA processing and low background transcription in mammalian cells.

质粒图谱



复溶方法

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 ℃.