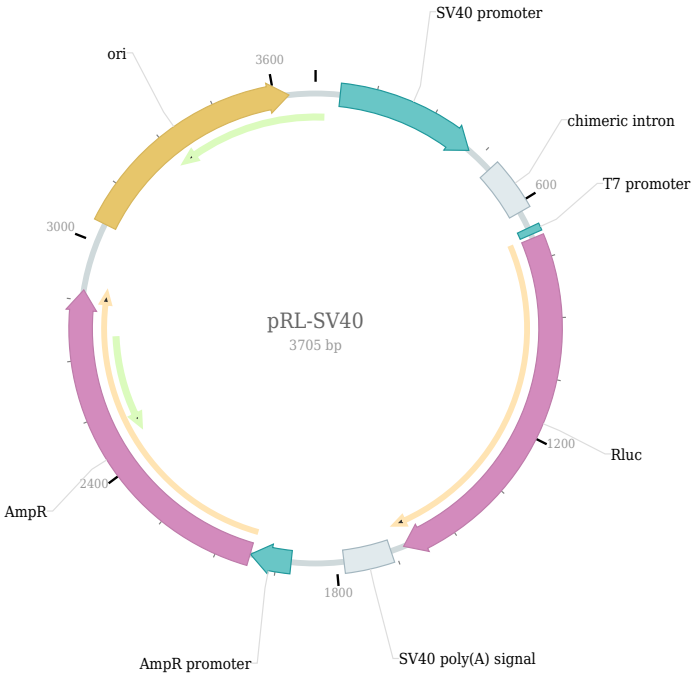
pRL-SV40

Vector ID	V011445
Antibiotic Resistance	Ampicillin
Length	3705 bp
Vector Type	Luciferase Vectors

Product Information

Replication Origin	ori
Source/Author	Promega
Copy Number	High copy number
Growth Strain(s)	DH10B
Comment	pRL-SV40 is a co-reporter vector developed by Promega Corporation designed for use as an internal control in dual-luciferase reporter assays. It encodes wild-type Renilla luciferase (Rluc), a 36 kDa monomeric protein originally cloned from the marine anthozoan coelenterate Renilla reniformis (sea pansy). The Rluc cDNA is driven by the SV40 enhancer and early promoter elements, providing high-level constitutive expression of Renilla luciferase in transfected mammalian cells.

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 ℃.