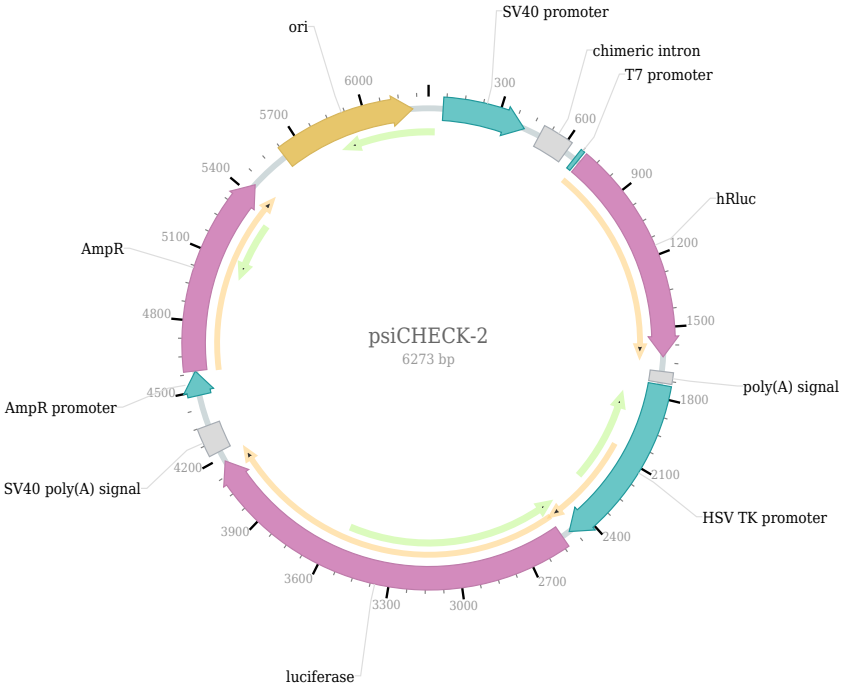
psiCHECK-2

Vector ID	V000995
Antibiotic Resistance	Ampicillin
Length	6273 bp
Vector Type	RNAi vectors

Product Information

Replication Origin	ori
Copy Number	High copy number
Promoter	HSV TK
Cloning Method	Enzyme digestion and ligation
Growth Strain(s)	DH10B
Comment	psiCHECK-2 is a dual-luciferase reporter vector for miRNA and RNAi targeting assays: target 3'-UTR sequences are cloned downstream of the Renilla luciferase ORF (SV40 promoter), with firefly luciferase (HSV-TK promoter) as internal normalization. Reduced Renilla signal indicates targeting.

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 ℃.