pGL4.74[hRluc/TK]

Vector ID	V011494
Antibiotic Resistance	Ampicillin
Length	4237 bp
Vector Type	Luciferase Vectors

Product Information

Replication Origin	ori
Source/Author	Promega
Copy Number	High copy number
Promoter	HSV TK
Growth Strain(s)	DH10B
Comment	pGL4.74[hRluc/TK] is a Renilla luciferase reporter in which the moderately strong HSV-TK promoter drives the codon-optimized hRluc gene. It is widely used as an internal control plasmid in dual-luciferase assays, normalizing firefly reporter signals for transfection efficiency; the pGL4 backbone minimizes cryptic regulatory elements and background (AmpR).

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 ℃.