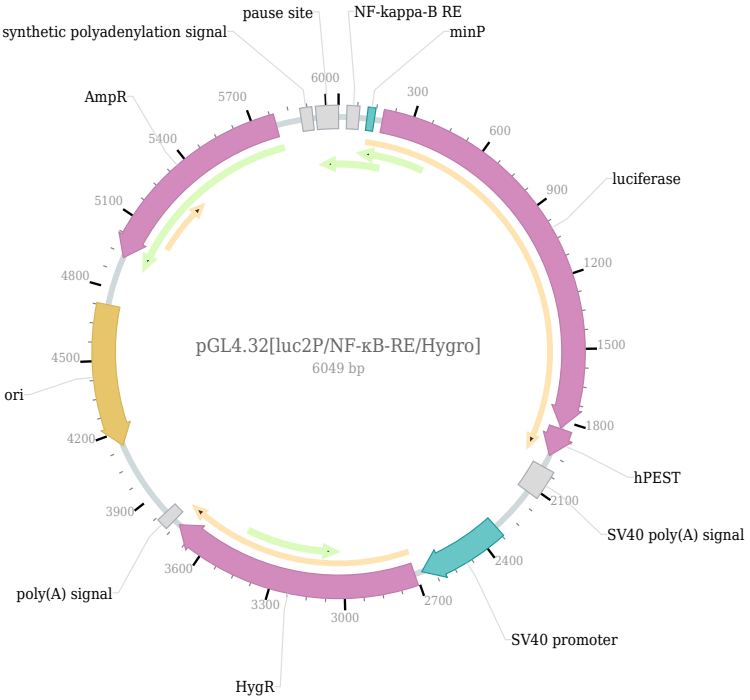
pGL4.32[luc2P/NF-κB-RE/Hygro]

Vector ID	V011518
Antibiotic Resistance	Ampicillin
Length	6049 bp
Vector Type	Luciferase Vectors

Product Information

Replication Origin	ori
Source/Author	Promega
Copy Number	High copy number
Promoter	SV40
Growth Strain(s)	DH10B
Comment	This is a 6049 bp dual luciferase reporter vector, pGL4.32[luc2P/NF-κB-RE/Hygro]. It contains the Photinusluciferase gene (luc2P) driven by the minimal SV40 promoter combined with NF-kappa-B response elements (NF-κB-RE) for targeted transcriptional studies. The vector facilitates co-transfection normalization with a constitutively expressed Renillaluciferase (hPEST-tagged). It includes a HygR resistance gene and SV40 poly(A) signal for stable mammalian cell selection, alongside an AmpR gene and bacterial origin for propagation in E. coli.

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 ℃.