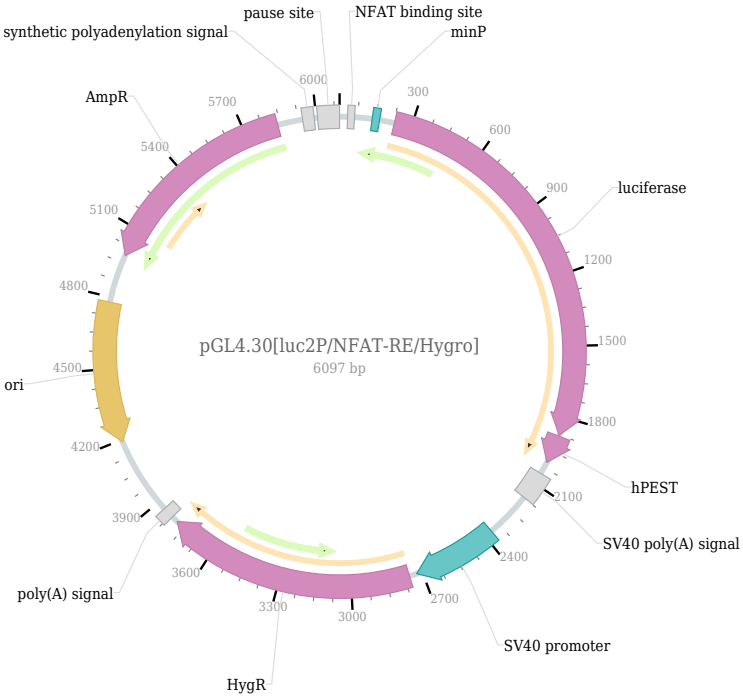
pGL4.30[luc2P/NFAT-RE/Hygro]

Vector ID	V011520
Antibiotic Resistance	Ampicillin
Length	6097 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	pGL4.30[luc2P/NFAT-RE/Hygro] is designed to measure T-cell activation via NFAT signaling. The vector expresses the destabilized luciferase (luc2P) reporter gene under the control of an NFAT-responsive element (NFAT-RE). For antibiotic selection in mammalian cells, it incorporates the HygR gene, which is driven by an SV40 promoter. The plasmid also contains an AmpR promoter 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 ℃.