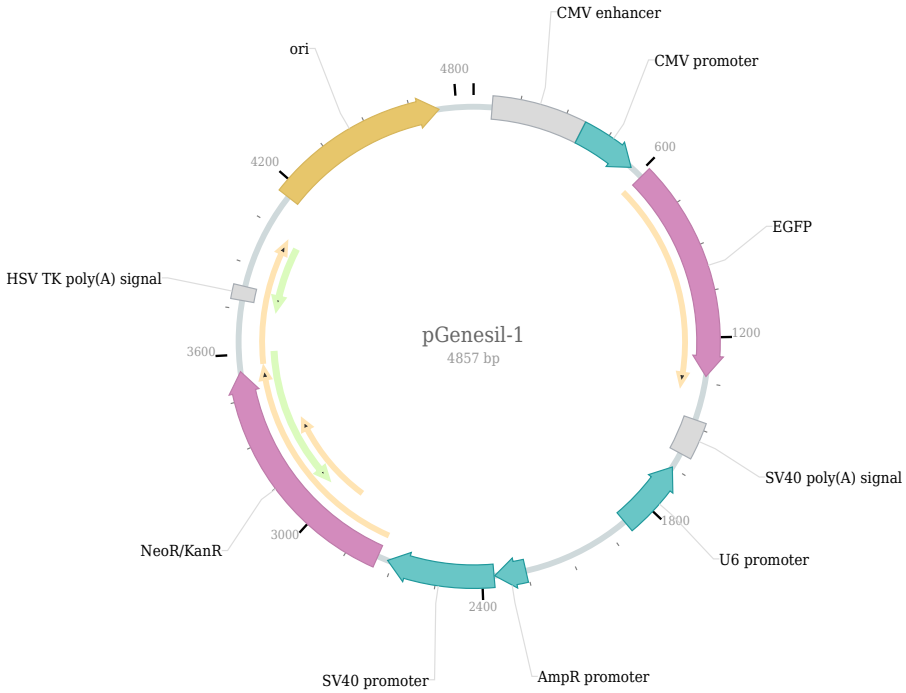
pGenesil-1

Vector ID	V012902
Antibiotic Resistance	Kanamycin
Length	4857 bp
Vector Type	RNA interference
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	U6
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	pGenesil-1 is a mammalian shRNA expression vector in which the human U6 promoter transcribes hairpin inserts cloned between BamHI and HindIII. Co-expressed EGFP marks transfected cells and the neomycin (G418) marker enables stable selection. Kanamycin resistance supports propagation in E. coli; widely used for RNA interference and gene knockdown studies.

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 ℃.