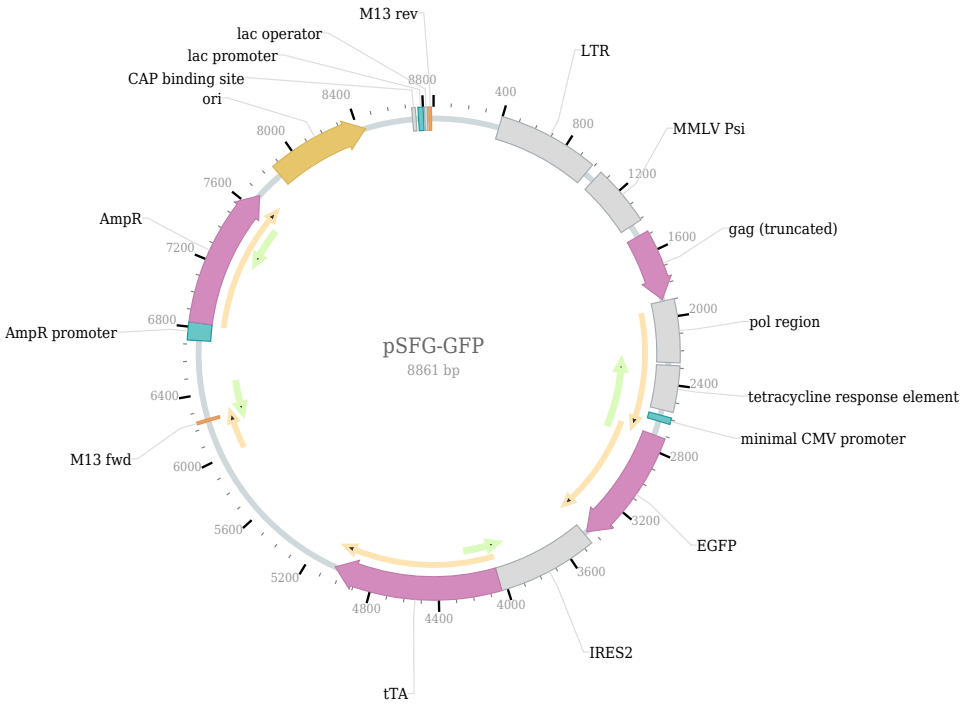
pSFG-GFP

Vector ID	V017477
Antibiotic Resistance	Ampicillin
Length	8861 bp
Vector Type	Protein expression
Host	Mammalian cells, Retrovirus

Product Information

Replication Origin	ori
Promoter	Tet
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pSFG-GFP is a retroviral empty control vector derived from pSFG backbone carrying GFP reporter tag. It serves as blank control against pSFG-TFII-I-GFP in rescue experiments of TFII-I-knockdown fibroblasts. Retroviruses packaged from this plasmid infect murine NIH 3T3 cells to deliver GFP alone without target transgene. Its GFP signal marks successfully transduced cells to validate viral delivery efficiency.

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 ℃.