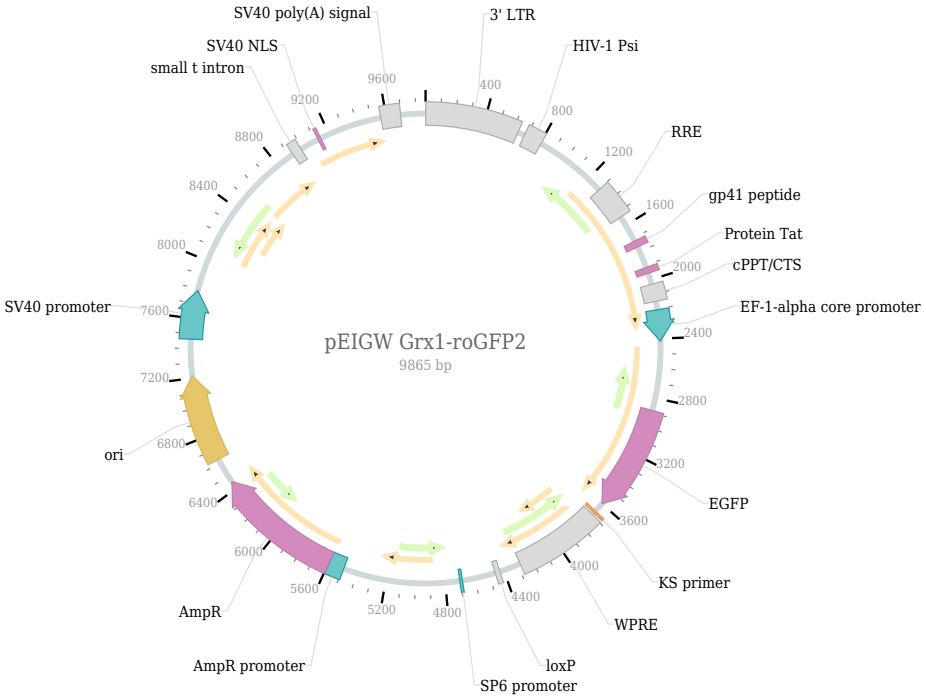
pEIGW Grx1-roGFP2

Vector ID	V017419
Antibiotic Resistance	Ampicillin
Length	9865 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Promoter	SV40
5' Primer	pEGFP-N-3'
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pEIGW Grx1-roGFP2 is a lentiviral mammalian vector expressing cytosolic human Grx1-roGFP2 (roGFP2 C-terminal). It ratiometrically reports the glutathione redox potential E(GSH) in live cells with fast, GSH/GSSG-specific kinetics.

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 ℃.