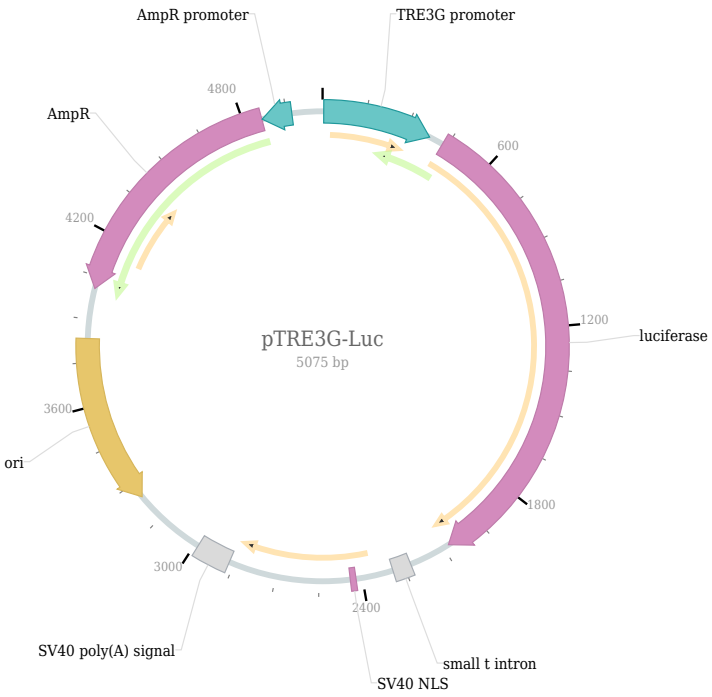
pTRE3G-Luc

Vector ID	V013021
Antibiotic Resistance	Ampicillin
Length	5075 bp
Vector Type	Protein expression, Tetracycline inducible
Host	Mammalian cells

Product Information

Replication Origin	ori
Promoter	TRE3G
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	pTRE3G-Luc is a tetracycline-inducible mammalian expression vector. It contains a TRE3G promoter driving the firefly luciferase (Luc) reporter gene, allowing precise, dose-dependent control of luc expression upon doxycycline addition.

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 ℃.