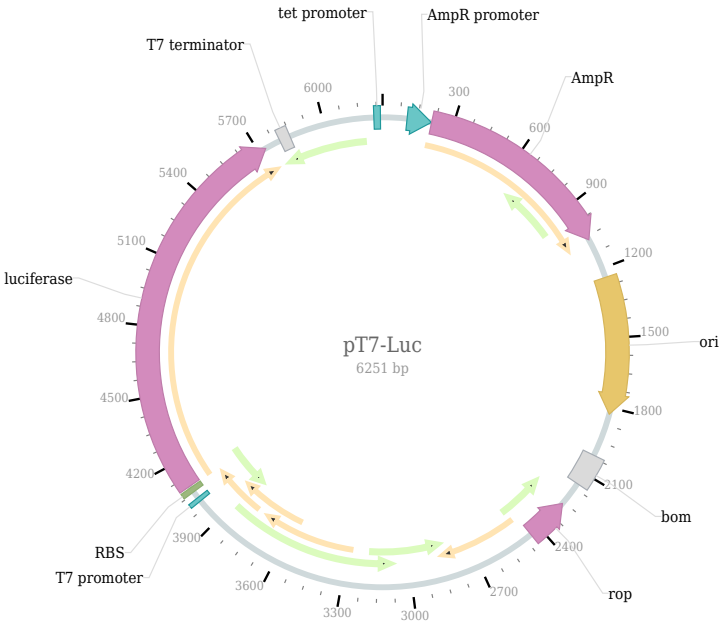
pT7-Luc

Vector ID	V013217
Antibiotic Resistance	Ampicillin
Length	6251 bp
Vector Type	In vitro transcription
Host	E. coli

Product Information

Replication Origin	ori
Promoter	tet
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pT7-Luc is a firefly luciferase reporter plasmid with a T7 promoter and T7 terminator flanking the luciferase ORF. Designed as a template for coupled in vitro transcription-translation systems, providing a rapid bioluminescence readout of T7 polymerase activity and translation 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 ℃.