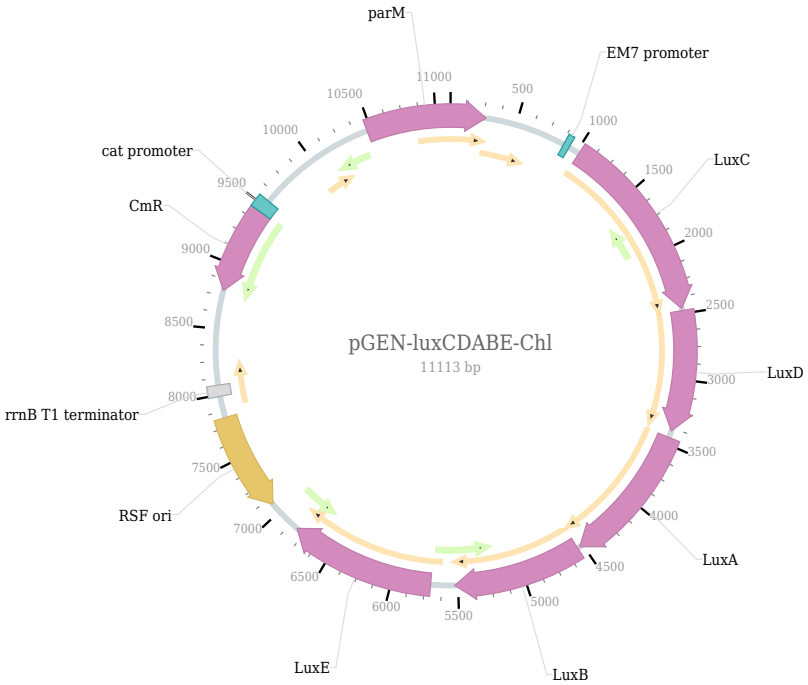
pGEN-luxCDABE-Chl

Vector ID	V014593
Antibiotic Resistance	Chloramphenicol
Length	11113 bp
Vector Type	Gene expression
Host	E. coli

Product Information

Replication Origin	RSF ori
Promoter	EM7
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pGEN-luxCDABE-Chl is designed for producing bacterial luciferase. It incorporates the full luxCDABE operon for bioluminescence, driven by the strong EM7 promoter. The plasmid utilizes the RSF origin for high-copy replication and includes a chloramphenicol resistance gene (CmR) under the cat promoter for antibiotic selection in E. coli.

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 ℃.