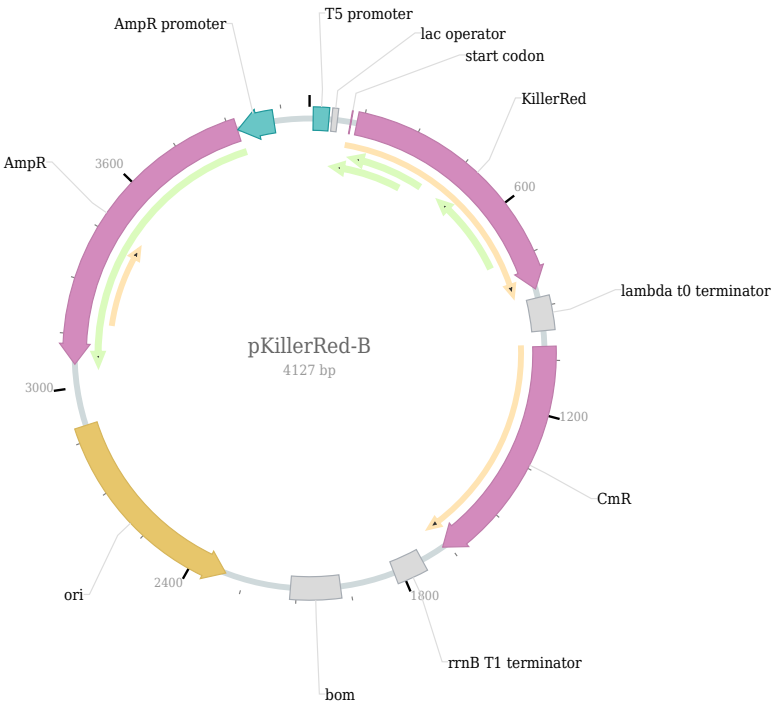
pKillerRed-B

Vector ID	V011987
Antibiotic Resistance	Ampicillin
Length	4127 bp
Vector Type	Fluorescent Protein Genes & Plasmids

Product Information

Replication Origin	ori
Source/Author	Evrogen
Copy Number	High copy number
Promoter	T5
Growth Temperature	37℃
Comment	pKillerRed-B is a prokaryotic expression vector encoding the photosensitizer KillerRed, optimized for high expression. It features a T5 promoter/lac operator for inducible control in E. coli, a ColE1 origin, and an ampicillin resistance gene. KillerRed produces reactive oxygen species under light, enabling targeted cell killing.

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 ℃.