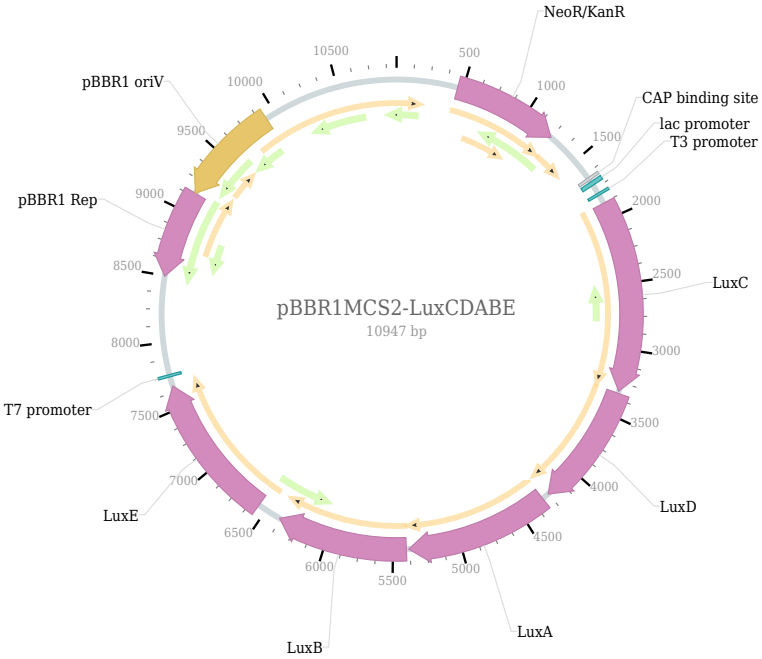
pBBR1MCS2-LuxCDABE

Vector ID	V014543
Antibiotic Resistance	Kanamycin
Length	10947 bp
Vector Type	Gene expression
Host	Broad host

Product Information

Replication Origin	pBBR1 oriV
Copy Number	Low
Promoter	T7
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	pBBR1MCS2-LuxCDABE is a broad-host-range vector carrying the bacterial luxCDABE operon for substrate-independent bioluminescence, with kanamycin selection for real-time monitoring in Gram-negative bacteria.

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 ℃.