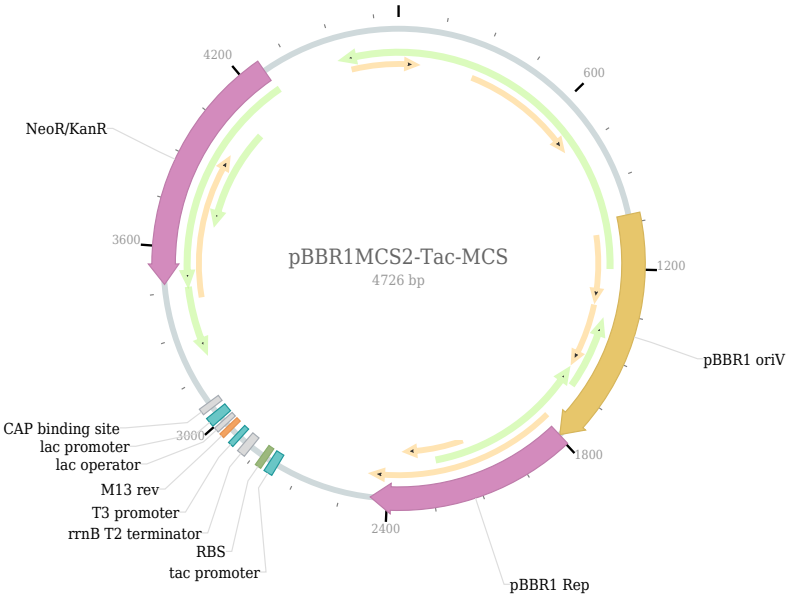
pBBR1MCS2-Tac-MCS

Vector ID	V013942
Antibiotic Resistance	Kanamycin
Length	4726 bp
Vector Type	Protein expression
Host	Broad host

Product Information

Replication Origin	pBBR1 oriV
Copy Number	Low
Promoter	tac
Growth Strain(s)	JM110
Growth Temperature	37℃
Comment	pBBR1MCS2-Tac-MCS is a broad-host-range, low-copy expression vector engineered from pBBR1MCS-2. Its pBBR1 replicon, derived from Bordetella bronchiseptica, replicates across diverse Gram-negative bacteria, while the trp-lac hybrid tac promoter, followed by an MCS and rrnB T2 terminator, drives IPTG-inducible heterologous gene expression.

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 ℃.