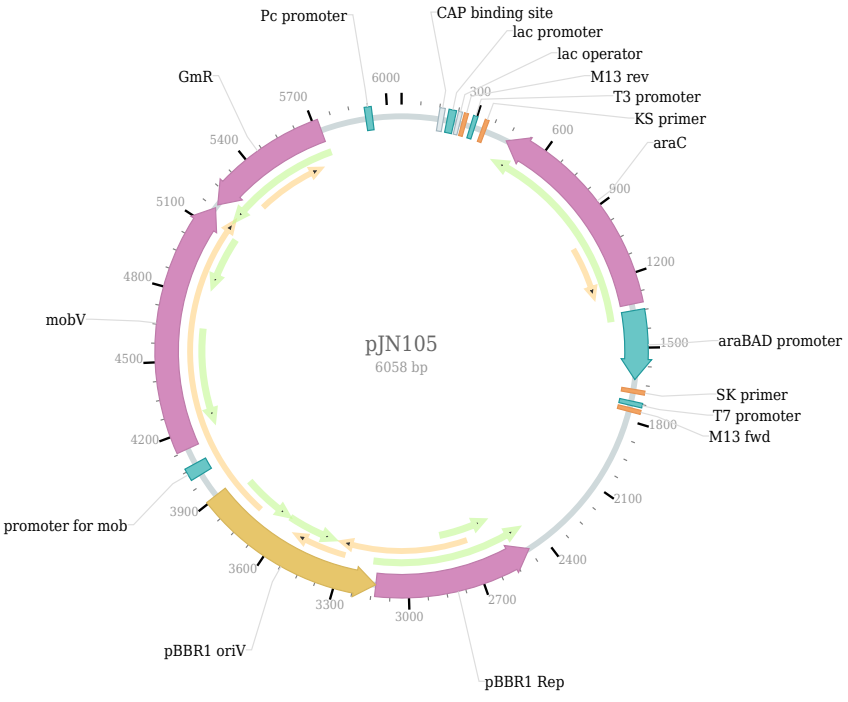
pJN105

Vector ID	V005293
Antibiotic Resistance	Gentamicin
Length	6058 bp
Vector Type	Expression vector

Product Information

Replication Origin	pBBR1 oriV
Source/Author	Newman JR, Fuqua C.
Promoter	araBAD
Growth Strain(s)	JM109
Comment	pJN105 (Newman & Fuqua, Gene 1999) is a broad-host-range arabinose-inducible expression vector built on the pBBR1 replicon, functional in most Gram-negative bacteria including Agrobacterium and rhizobia. araC-PBAD tightly regulates expression from the MCS; gentamicin resistance (aacC1) selects in both E. coli and alternative hosts.

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 ℃.