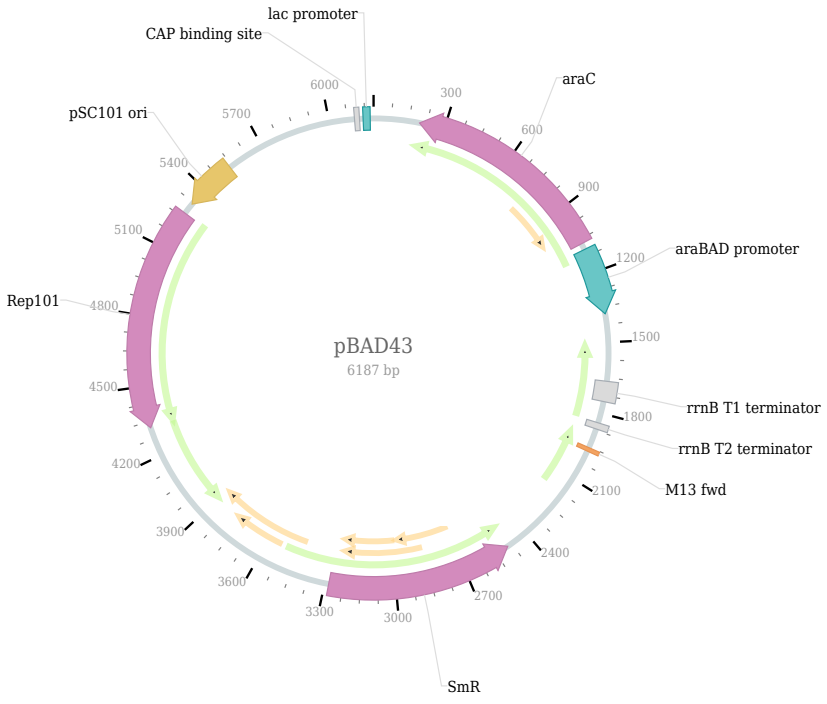
pBAD43

Vector ID	V012781
Antibiotic Resistance	Spectinomycin
Length	6187 bp
Vector Type	E.coli expression plasmid

Product Information

Replication Origin	pSC101 ori
Source/Author	Beckwith Lab
Copy Number	Low Copy
Promoter	araBAD
Cloning Method	Enzyme Cut
5' Primer	pBAD-F: ATGCCATAGCATTTTTATCC
3' Primer	pBAD-R: gatttaatctgtatcagg
Growth Strain(s)	DH10B
Growth Temperature	30℃
Expression Method	L-arabinose Induced
Comment	pBAD43 serves as a recombinant vector backbone, providing arabinose-inducible pBAD promoter regulation of VagD expression. It incorporates a spectinomycin resistance gene for auxiliary screening, whilst its empty vector can also function as a negative control to exclude interference.

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 ℃.