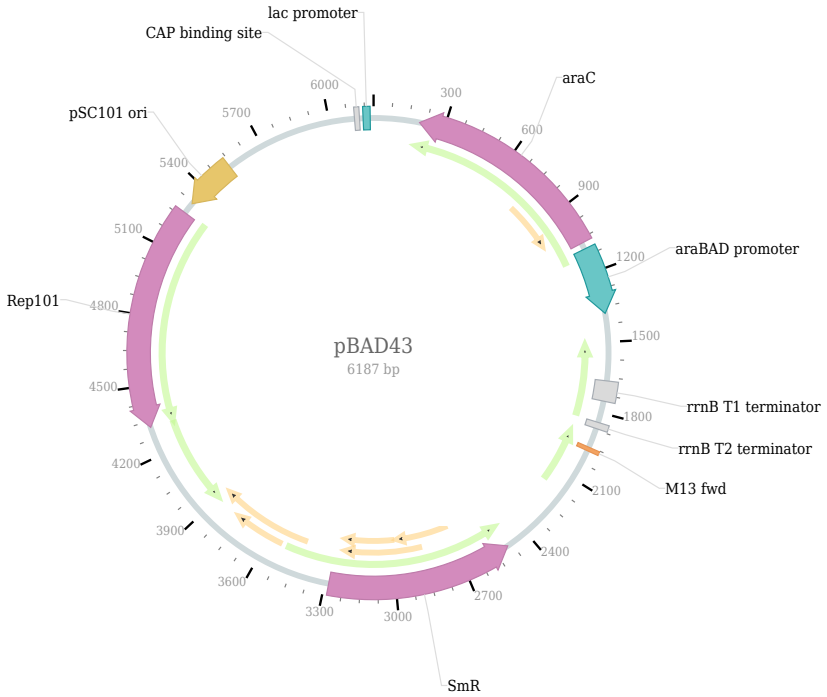
pBAD43

载体编号 Vector ID	V012781
抗性 Antibiotic Resistance	Spectinomycin
长度 Length	6187 bp
载体类型 Vector Type	E.coli expression plasmid

产品信息

复制子 Replication Origin	pSC101 ori
来源 Source/Author	Beckwith Lab
拷贝数 Copy Number	Low Copy
启动子 Promoter	araBAD
克隆方法 Cloning Method	Enzyme Cut
5' 引物 5' Primer	pBAD-F: ATGCCATAGCATTTTTATCC
3' 引物 3' Primer	pBAD-R: gatttaatctgtatcagg
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	30℃
表达方式 Expression Method	L-arabinose Induced
备注 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.

质粒图谱



复溶方法

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 ℃.