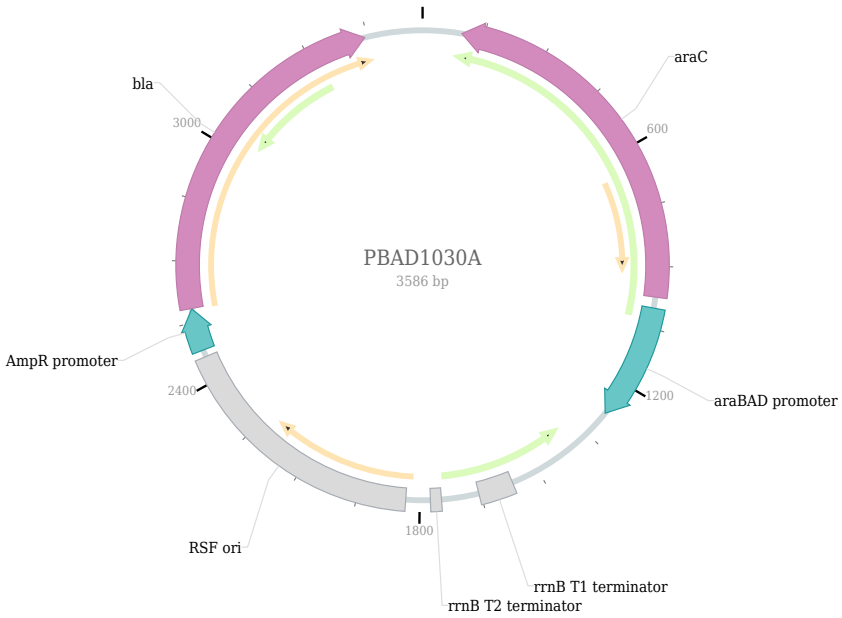
PBAD1030A

Vector ID	V009302
Antibiotic Resistance	Ampicillin
Length	3586 bp
Vector Type	Cloning vector

Product Information

Replication Origin	RSF ori
Source/Author	Chakravartty V, Cronan JE.
Promoter	araBAD
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The pBAD1030A plasmid is an arabinose-inducible expression vector with a wild-type RSF1030 origin. Its ampicillin-resistance cassette is in the same direction as the araBAD promoter, enabling controlled gene expression in E. coli.

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 ℃.