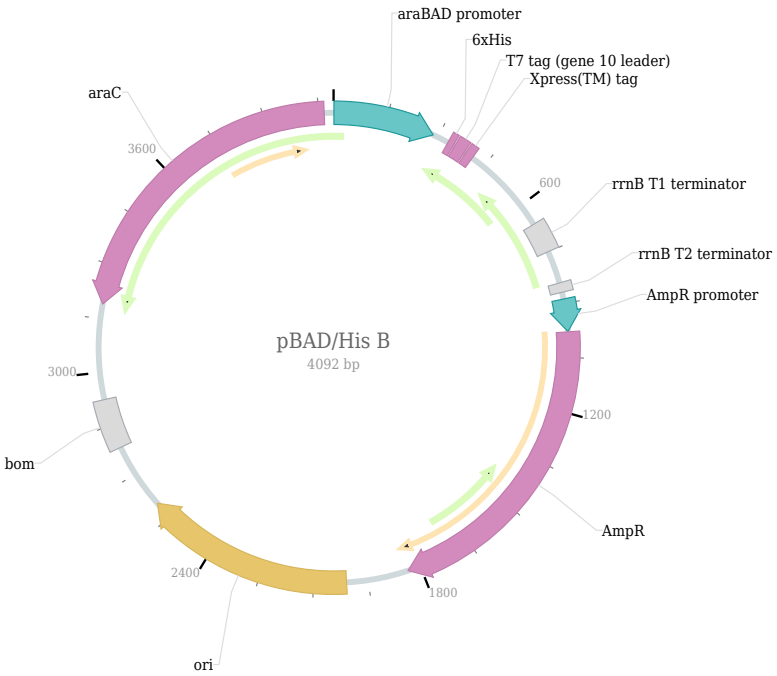
pBAD/His B

Vector ID	V000734
Antibiotic Resistance	Ampicillin
Length	4092 bp
Vector Type	E. coli Expression Vectors

Product Information

Replication Origin	ori
Copy Number	High copy number
Promoter	araBAD
Cloning Method	Enzyme digestion and ligation
5' Primer	pBAD-F: ATGCCATAGCATTTTTATCC
3' Primer	pBAD-R: gatttaatctgtatcagg
Fusion Tag	N-His, N-EK
Growth Strain(s)	Top10
Comment	pBAD/His B is an Invitrogen arabinose-inducible E. coli expression vector with P_BAD promoter driving N-terminal 6xHis-tagged protein expression, enabling tightly regulated recombinant protein production.

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 ℃.