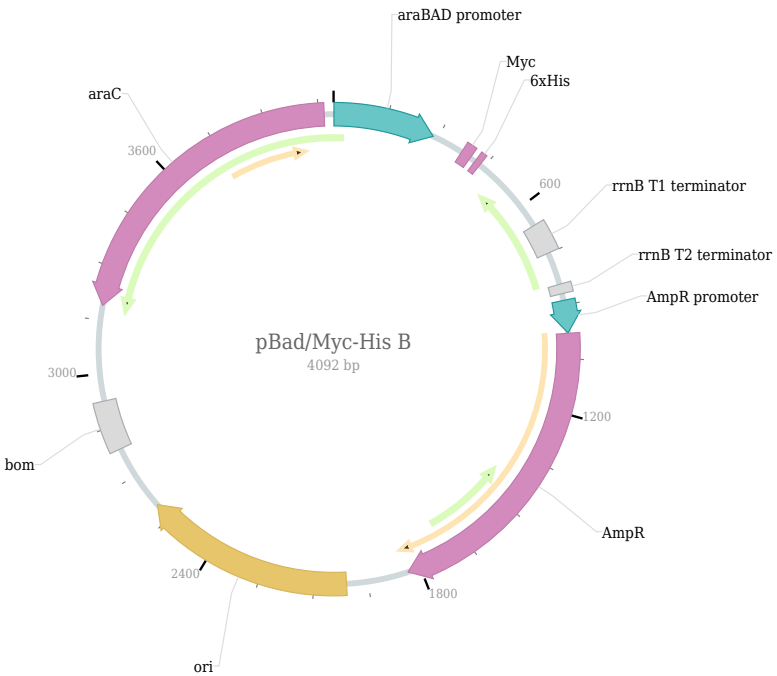
pBad/Myc-His B

Vector ID	V006963
Antibiotic Resistance	Ampicillin
Length	4092 bp
Vector Type	E. coli Expression Vectors

Product Information

Replication Origin	ori
Copy Number	Low copy number
Promoter	araBAD
Cloning Method	Enzyme digestion and ligation
5' Primer	pBAD-F: ATGCCATAGCATTTTTATCC
3' Primer	pBAD-R: gatttaatctgtatcagg
Fusion Tag	C-His, C-Myc
Growth Strain(s)	DH10B
Comment	pBAD/Myc-His B is a 4,092-bp low-copy E. coli expression vector derived from pBR322. It uses the arabinose-inducible araBAD promoter, regulated by the AraC protein, for tight, dose-dependent gene control. Cloned genes fuse to C-terminal 6×His and c-Myc tags, enabling nickel-affinity purification and antibody detection. Ampicillin resistance permits transformant selection.

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 ℃.