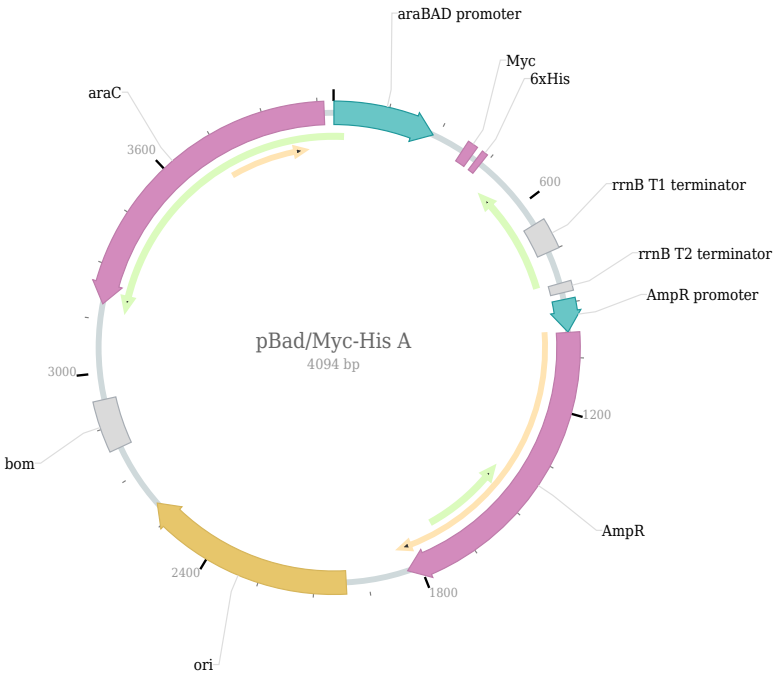
pBad/Myc-His A

载体编号 Vector ID	V012544
抗性 Antibiotic Resistance	Ampicillin
长度 Length	4094 bp
载体类型 Vector Type	E. coli Expression Vectors

产品信息

复制子 Replication Origin	ori
拷贝数 Copy Number	High copy number
启动子 Promoter	araBAD
克隆方法 Cloning Method	Enzyme digestion and ligation
5' 引物 5' Primer	pBAD-F: ATGCCATAGCATTTTTATCC
3' 引物 3' Primer	pBAD-R: GATTTAATCTGTATCAGG
融合标签 Fusion Tag	C-His, C-Myc
培养菌株 Growth Strain(s)	TOP10
备注 Comment	The pBAD/His A vector is an arabinose-regulated expression system designed for controlled gene expression in E. coli. In the absence of glucose, arabinose acts as an inducer, activating the araBAD promoter and driving transcription of the target gene. By titrating arabinose concentrations, users can optimize the soluble expression of recombinant proteins. Vectors pBAD/His A, B, and C are identical except for their reading frames, allowing seamless cloning of genes in the correct translational frame for fusion with an N-terminal His-tag.

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 ℃.