pKK223-3

载体编号 Vector ID	V001042
抗性 Antibiotic Resistance	Ampicillin
长度 Length	4585 bp
载体类型 Vector Type	E. coli Expression Vectors

产品信息

复制子 Replication Origin	ori
启动子 Promoter	tac
克隆方法 Cloning Method	Enzyme digestion and ligation
5' 引物 5' Primer	P0084-F：gtgaaattgttatccgctcac
3' 引物 3' Primer	P0084-R：ttctgataaagcgggccatg
培养菌株 Growth Strain(s)	DH5a
培养温度 Growth Temperature	37℃
备注 Comment	pKK223-3 is a classic E. coli expression vector. It carries a tac (trp-lac) hybrid promoter, IPTG-inducible, upstream of a polylinker (multiple cloning site), followed by rrnB transcription terminators. Selectable with ampicillin. Widely used for controlled protein overexpression in bacteria.

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 ℃.