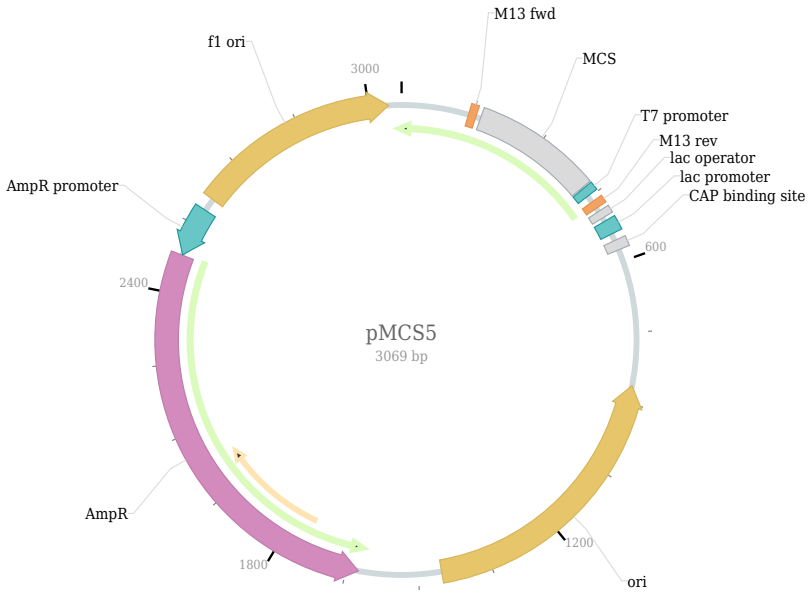
pMCS5

载体编号 Vector ID	V012445
抗性 Antibiotic Resistance	Ampicillin
长度 Length	3069 bp
载体类型 Vector Type	Cloning Vectors

产品信息

复制子 Replication Origin	ori
来源 Source/Author	MoBiTec
拷贝数 Copy Number	High copy number
启动子 Promoter	T7
5' 引物 5' Primer	M13 fwd
3' 引物 3' Primer	M13 rev
培养菌株 Growth Strain(s)	Top10
培养温度 Growth Temperature	37℃
备注 Comment	pMCS5 is a specialized cloning vector featuring an extensive multiple cloning site (MCS) containing 59 unique restriction sites. This includes recognition sites for 46 hexamer-specific, 2 heptamer-specific, and all 10 known octanucleotide-specific restriction endonucleases, providing exceptional flexibility for DNA insertion. A key feature is the inclusion of a rare I-SceI meganuclease site, which enables precise linearization of recombinant clones. The vector supports blue/white selection for recombinant screening and contains an f1 origin for generating single-stranded DNA.

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 ℃.