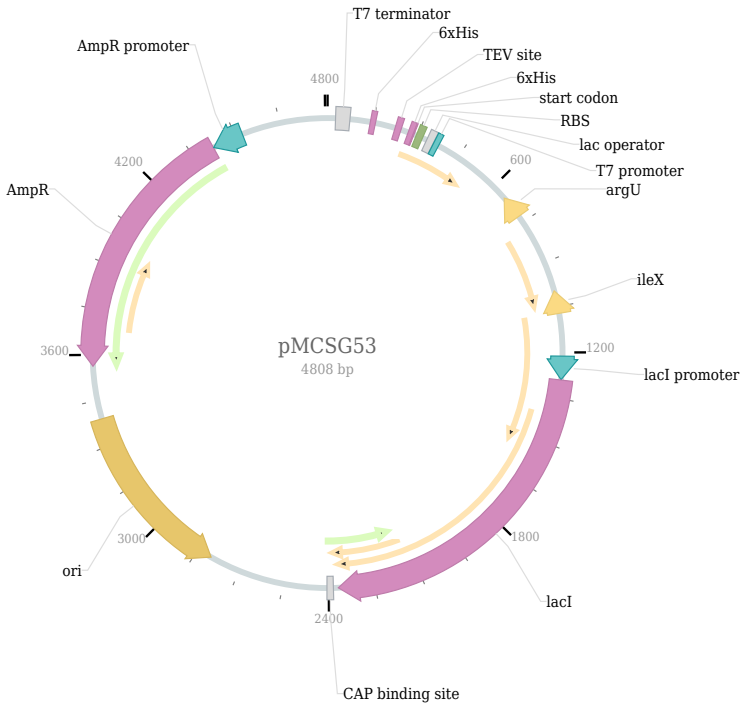
pMCSG53

载体编号 Vector ID	V010641
抗性 Antibiotic Resistance	Ampicillin
长度 Length	4808 bp
载体类型 Vector Type	Structural Genomics Vectors

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Eschenfeldt WH, Makowska-Grzyska M, Stols L, Donnelly MI,
拷贝数 Copy Number	High copy number
培养菌株 Growth Strain(s)	Top10
备注 Comment	pMCSG53 is an MCSG high-throughput expression vector based on pMCSG7 with added rare-codon tRNA genes, improving yields of genes containing uncommon E. coli codons. Carries a T7 promoter, N-terminal His6 tag, and TEV cleavage site; designed for structural genomics protein production (Eschenfeldt et al. 2013).

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 ℃.