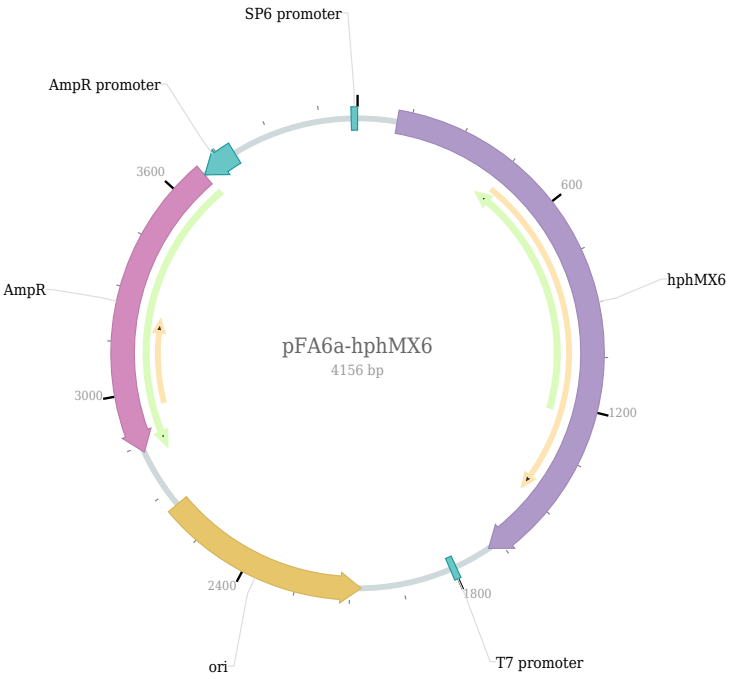
pFA6a-hphMX6

载体编号 Vector ID	V010297
抗性 Antibiotic Resistance	Ampicillin
长度 Length	4156 bp
载体类型 Vector Type	Yeast Plasmids
宿主 Host	Yeast

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Hentges P, Van Driessche B, Tafforeau L, Vandenhaute J, Carr AM.
拷贝数 Copy Number	High copy number
启动子 Promoter	TEF
培养菌株 Growth Strain(s)	Top10
培养温度 Growth Temperature	37℃
备注 Comment	The plasmid vector pFA6a-hphMX6 is a modular tool for PCR-based gene disruption and epitope tagging in the fission yeast Schizosaccharomyces pombe. It contains the hphMX6 cassette, which confers resistance to hygromycin B, driven by the Ashbya gossypii TEFpromoter and terminator. The plasmid is designed so that the marker cassette can be amplified with primers that have 80-100 bp flanking sequences homologous to a target gene, enabling precise genomic integration via homologous recombination. Its backbone includes an ampicillin resistance gene and a bacterial origin of replication for propagation in E. coli. This vector is part of the widely used pFA6a-MX6 series.

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 ℃.