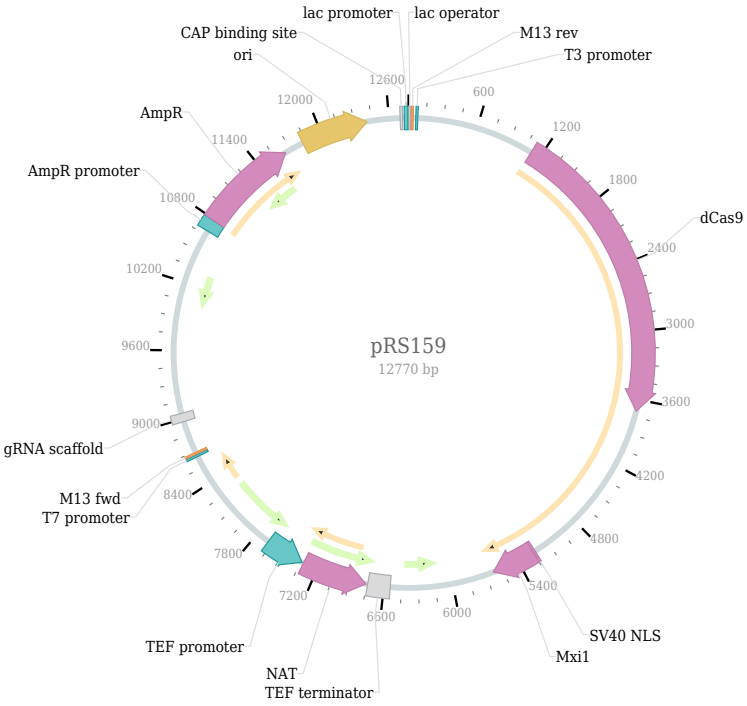
pRS159

载体编号 Vector ID	V047690
抗性 Antibiotic Resistance	Ampicillin
长度 Length	12770 bp
载体类型 Vector Type	CRISPR Plasmids
宿主 Host	Yeast

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Rebecca Shapiro
筛选标记 Selection Marker	Nourseothricin
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	This is a 12770 bp CRISPR/dCas9-based vector. It expresses a dCas9-Mxi1 fusion protein, driven by the TEF promoter, where Mxi1 acts as a killer toxin for yeast selection. The construct includes an sgRNA scaffold under the control of the T7 promoter for guide RNA expression. It also features the NAT gene for antibiotic selection, an AmpR marker, and an MCS for cloning.

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 ℃.