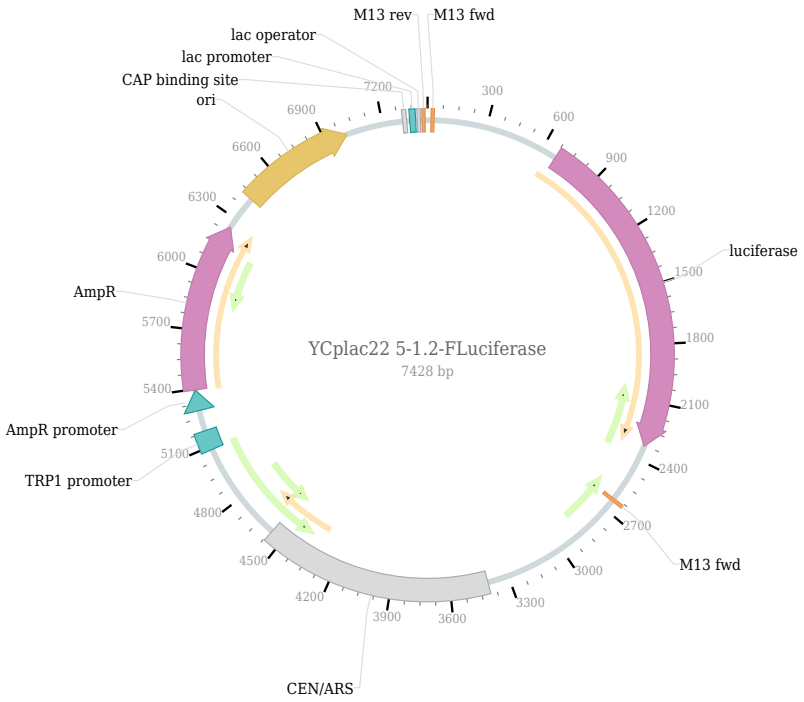
YCplac22 5-1.2-FLuciferase

载体编号 Vector ID	V001502
抗性 Antibiotic Resistance	Ampicillin
长度 Length	7428 bp
载体类型 Vector Type	Cloning vector

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Belmont BJ, Niles JC.
启动子 Promoter	TRP1
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	YCplac22 5-1.2-FLuciferase is the YCplac22 with a fLuciferase marker. With the combination of TRP1 promoter and CEN/ARS element, it provides a stable platform for inserting and expressing various target genes. Scientists can insert genes of interest into YCplac22 5-1.2-FLuciferase and introduce it into host organisms, such as bacteria or yeast, to study the function and regulation of those genes. The luciferase provides another way to select the cell that carries the interested gene. YCplac22 5-1.2-FLuciferase is also useful in constructing mutant libraries. By randomly mutagenizing genes and inserting them into YCplac22 5-1.2-FLuciferase, researchers can screen for mutants with desired phenotypes, helping to understand gene function and identify potential genetic factors involved in certain traits.

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 ℃.