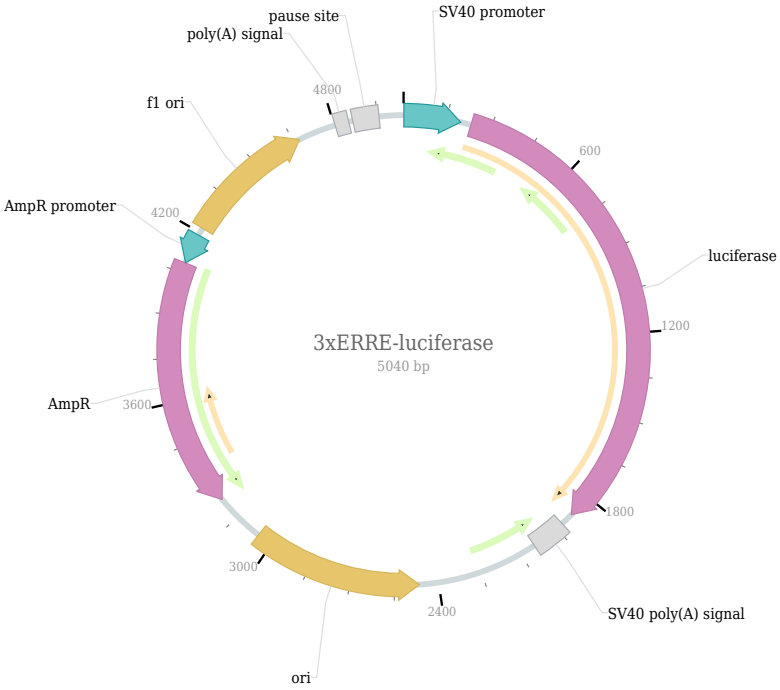
3xERRE-luciferase

载体编号 Vector ID	V014607
抗性 Antibiotic Resistance	Ampicillin
长度 Length	5040 bp
载体类型 Vector Type	Luciferase reporter
宿主 Host	Mammalian cells

产品信息

复制子 Replication Origin	ori
启动子 Promoter	SV40
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	The 3xERRE - luciferase vector is a valuable tool in the study of estrogen - related receptor gamma (ERRγ) transcriptional activity. This vector is mainly used for transcriptional activity assays and mechanism of action studies. In transcriptional activity assays, it can be cotransfected with ERRγ expression constructs into cells, and the effect of ERRγ on transcription can be determined by measuring luciferase activity. In mechanism of action studies, it can help to elucidate the interaction between ERRγ and the ERRE site as well as other factors. This vector has the characteristics of high sensitivity and specificity. The three ERRE sequences produce a more pronounced signal when ERRγ binds, enabling the detection of small changes, and it specifically targets the ERRE site, reducing interference.

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 ℃.