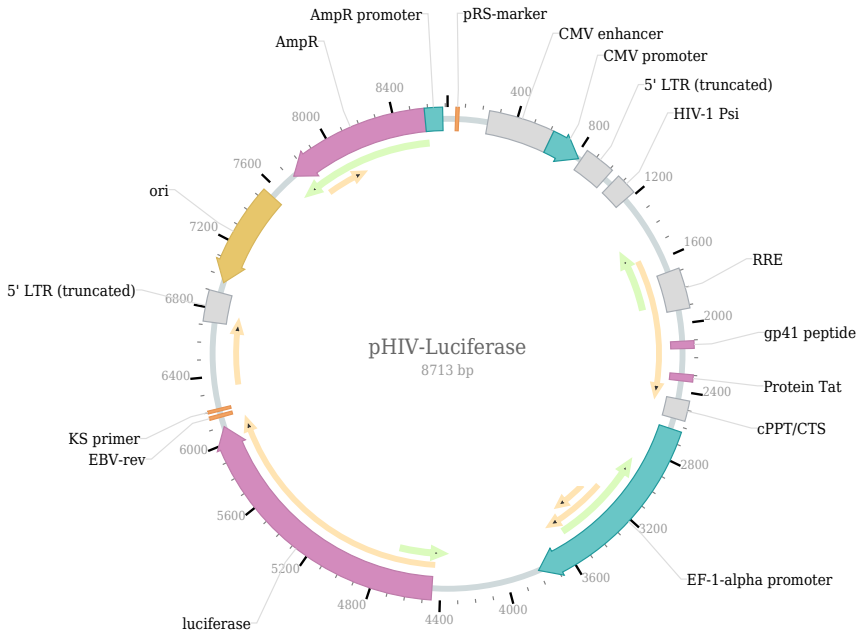
pHIV-Luciferase

载体编号 Vector ID	V001141
抗性 Antibiotic Resistance	Ampicillin
长度 Length	8713 bp
载体类型 Vector Type	Mammalian Expression, Lentiviral

产品信息

复制子 Replication Origin	ori
拷贝数 Copy Number	High Copy
启动子 Promoter	EF-1α
5' 引物 5' Primer	5'-TGGAATTTGCCCTTTTTGAG-3'
3' 引物 3' Primer	5'-AGGAACTGCTTCCTTCACGA-3'
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pHIV-LUC is a specialized plasmid designed for molecular biology research applications. It features a unique construction where sequences from the HIV enhancer (-2453 to +80) are linked to the firefly luciferase gene. This design enables the plasmid to be used in a variety of assays to study gene expression and transcriptional regulation. When transfected into cells, it allows for the quantification of luciferase activity, which serves as an indicator of transcriptional activity. It is a valuable tool in investigations related to DNA repair mechanisms and the effects of various factors on gene expression. In different experimental setups, changes in luciferase activity can provide insights into the functionality of the transfected cells and the impact of different treatments or conditions on the transcriptional machinery.

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 ℃.