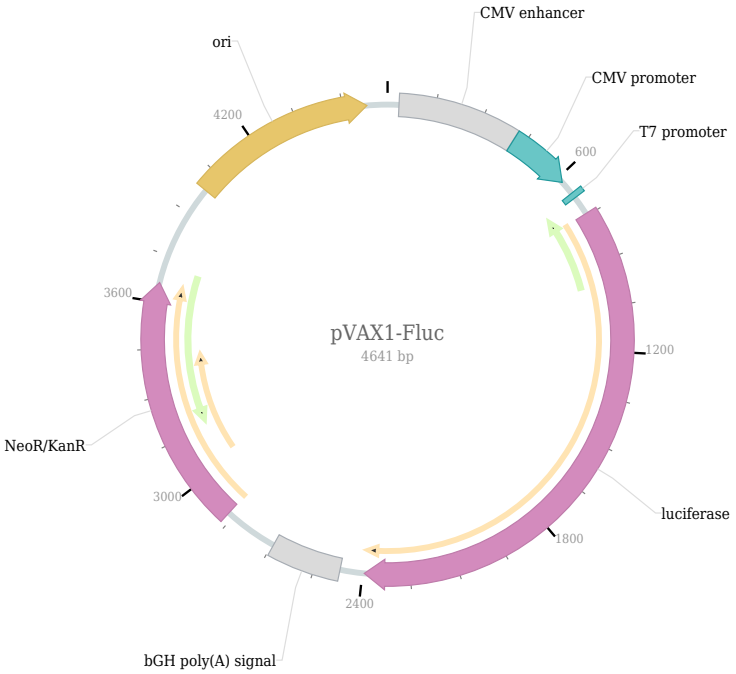
pVAX1-Fluc

载体编号 Vector ID	V045313
抗性 Antibiotic Resistance	Kanamycin
长度 Length	4641 bp
载体类型 Vector Type	Protein expression
宿主 Host	Mammalian cells

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Fluc
拷贝数 Copy Number	High
启动子 Promoter	CMV
5' 引物 5' Primer	CMV-F
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
表达方式 Expression Method	Transient
备注 Comment	pVAX1-Fluc is a mammalian expression construct in which the firefly luciferase cDNA is cloned into the pVAX1 backbone, a vector designed for DNA vaccine development. Expression is driven by a CMV immediate-early promoter/enhancer, with a bGH polyadenylation signal. Selection uses kanamycin. The enzyme catalyzes ATP-dependent D-luciferin oxidation, enabling sensitive quantification and in vivo bioluminescence imaging.

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 ℃.