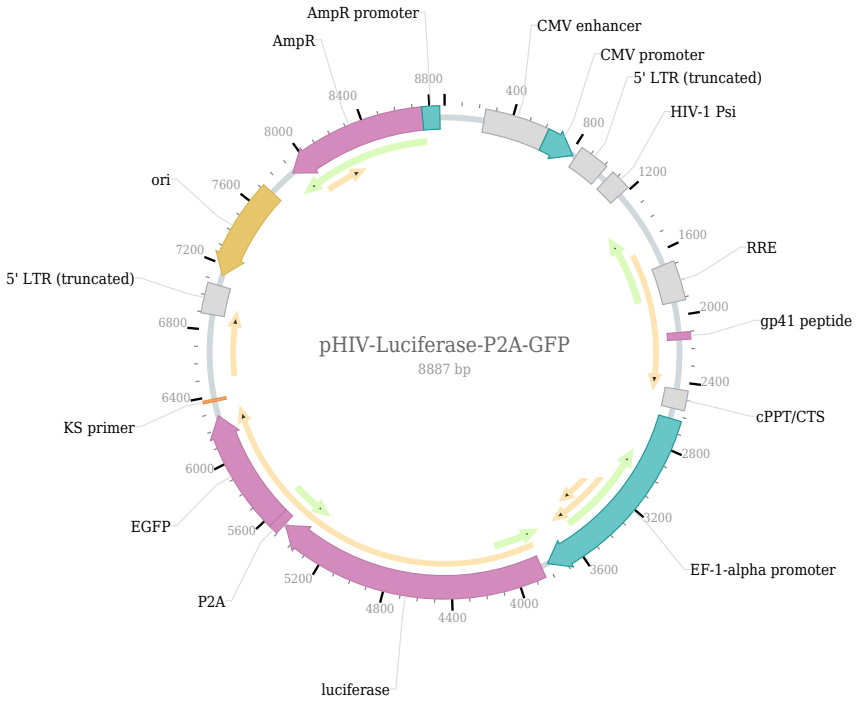
pHIV-Luciferase-P2A-GFP

载体编号 Vector ID	V037535
抗性 Antibiotic Resistance	Ampicillin
长度 Length	8887 bp
载体类型 Vector Type	Protein expression
宿主 Host	Mammalian cells, Lentivirus

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	EGFP
拷贝数 Copy Number	High
启动子 Promoter	EF1a
5' 引物 5' Primer	PEF-F
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
表达方式 Expression Method	Constiutive, Stable / Transient
备注 Comment	pHIV-Luciferase-P2A-GFP is an HIV-1-based self-inactivating lentiviral reporter co-expressing firefly luciferase and GFP from one promoter via the porcine teschovirus-1 P2A self-cleaving peptide, yielding near-equimolar proteins. Luciferase enables quantitative bioluminescence imaging; GFP enables FACS and microscopy—dual-modality tracking of transduced cells.

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 ℃.