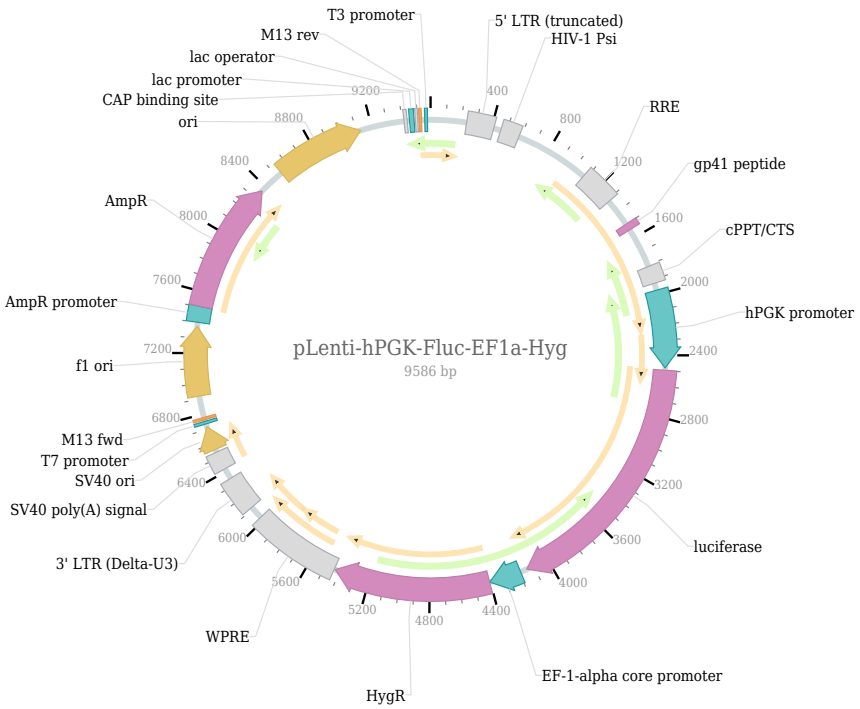
pLenti-hPGK-Fluc-EF1a-Hyg

载体编号 Vector ID	V042368
抗性 Antibiotic Resistance	Ampicillin
长度 Length	9586 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	Hyg;Fluc
拷贝数 Copy Number	High
启动子 Promoter	hPGK
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	pLenti-hPGK-Fluc-EF1a-Hyg is a third-generation lentiviral vector for stable reporter expression in mammalian cells. The human PGK promoter drives codon-optimized firefly luciferase (luc2) for sensitive bioluminescence imaging, while the EF-1α core promoter drives hygromycin B resistance for selecting transduced cells. WPRE and cPPT/CTS enhance expression and nuclear import; the self-inactivating 3′ LTR improves safety. Ampicillin selection; propagate in Stbl3.

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 ℃.