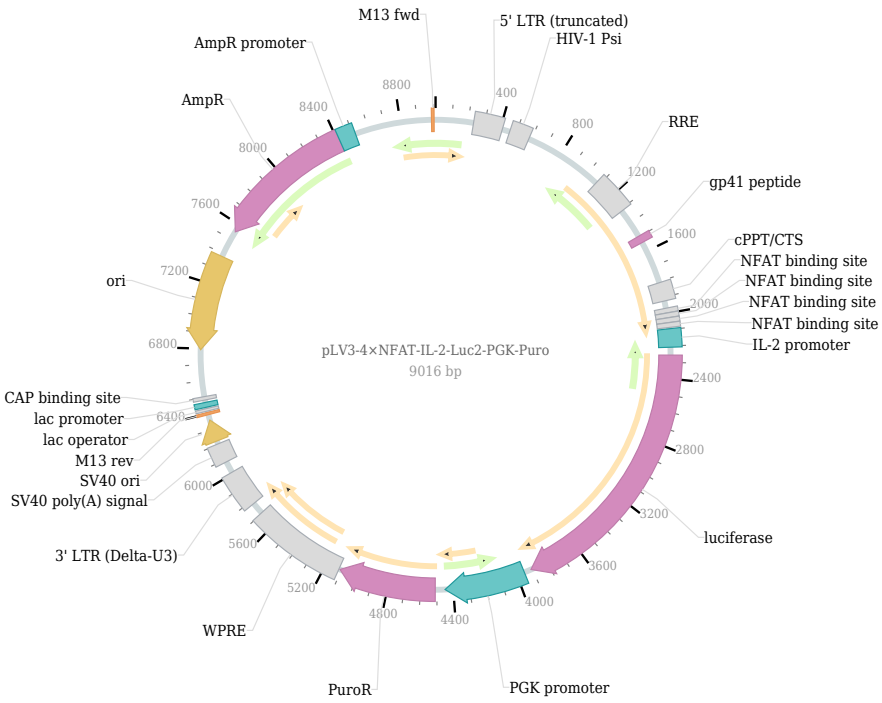
pLV3-4×NFAT-IL-2-Luc2-PGK-Puro

载体编号 Vector ID	V044996
抗性 Antibiotic Resistance	Ampicillin
长度 Length	9016 bp
载体类型 Vector Type	Fluorescent reporter
宿主 Host	Mammalian cells, Lentivirus

产品信息

筛选标记 Selection Marker	Puro;Fluc
拷贝数 Copy Number	High
启动子 Promoter	minimal IL-2
5' 引物 5' Primer	luc-F2
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	This is a 9019 bp lentiviral vector, pLV3-4×NFAT-IL-2-Luc2-PGK-Puro. It is designed to express luciferase (Luc2) under an IL-2 promoter containing a 4× NFAT binding site, enabling T-cell-specific expression. The vector utilizes a PGK promoter to drive the PuroR gene for antibiotic selection. It features HIV-1-based elements including a 5' LTR, RRE, cPPT/CTS, and a self-inactivating 3' LTR (ΔU3) for safe genomic integration.

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 ℃.