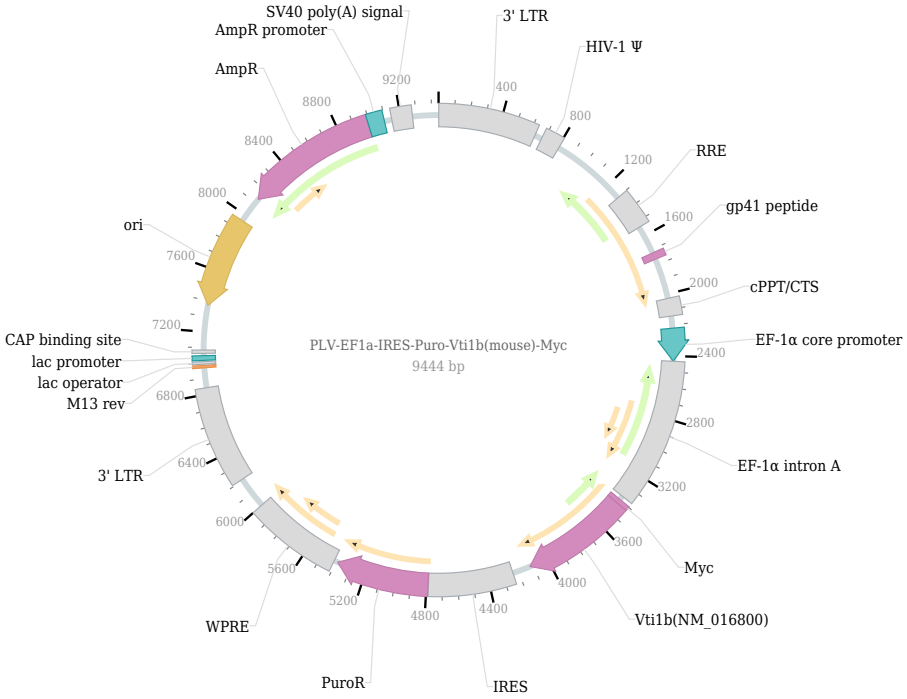
PLV-EF1a-IRES-Puro-Vti1b(mouse)-Myc

载体编号 Vector ID	V041494
登录号 Accession ID	NM_016800.3
抗性 Antibiotic Resistance	Ampicillin
长度 Length	9444 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	Puro
拷贝数 Copy Number	High
启动子 Promoter	EF1a
5' 引物 5' Primer	EF-1α-F1
融合标签 Fusion Tag	Myc
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 9444 bp third-generation lentiviral vector, pLV-EF1a-IRES-Puro-Vti1b(mouse)-Myc. It is designed for constitutive expression of the mouse Vti1b gene, tagged with Myc, alongside a PuroR selection marker via an IRES element. The vector utilizes an EF1α promoter for strong transgene expression and includes all essential HIV-1 elements for packaging, reverse transcription, and integration, such as the 5' LTR (truncated), RRE, and cPPT/CTS. It also features a WPRE to enhance RNA stability.

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 ℃.