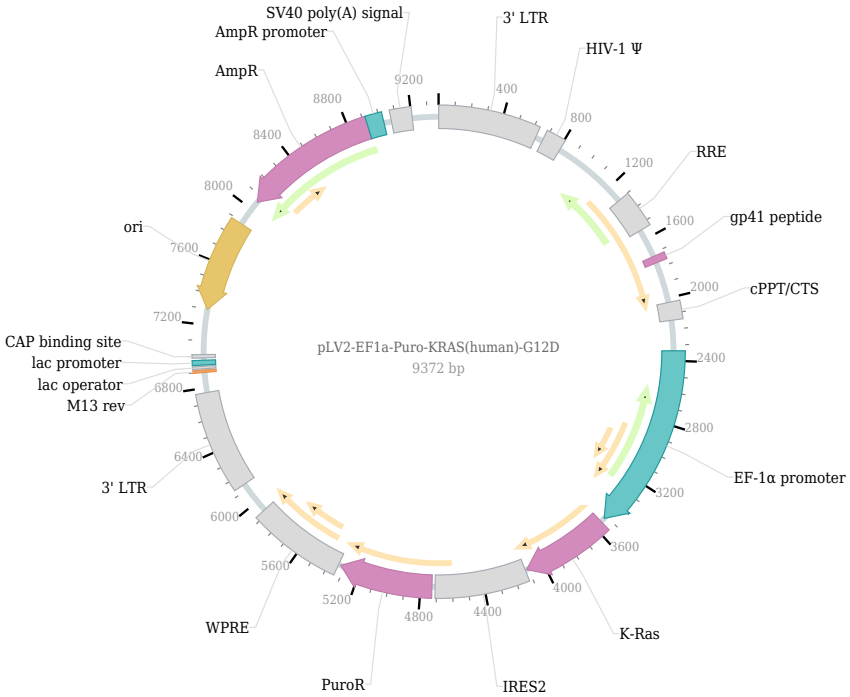
pLV2-EF1a-Puro-KRAS(human)-G12D

载体编号 Vector ID	V028673
登录号 Accession ID	NM_004985.5
抗性 Antibiotic Resistance	Ampicillin
长度 Length	9372 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
启动子 Promoter	EF1a
培养菌株 Growth Strain(s)	Stbl3
表达方式 Expression Method	Constiutive, Stable / Transient
备注 Comment	This is a 9372 bp third-generation lentiviral vector, pLV-EF1a-Puro-KRAS(human)-G12D. It is designed to express the human KRAS gene harboring the G12D mutation, driven by the strong EF-1α promoter. The vector includes an IRES2 element for bicistronic expression and the PuroR gene for antibiotic selection in mammalian cells. It also features essential HIV-1 packaging elements (Ψ, RRE, cPPT/CTS) and the WPRE element to enhance mRNA stability and viral titer.

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 ℃.