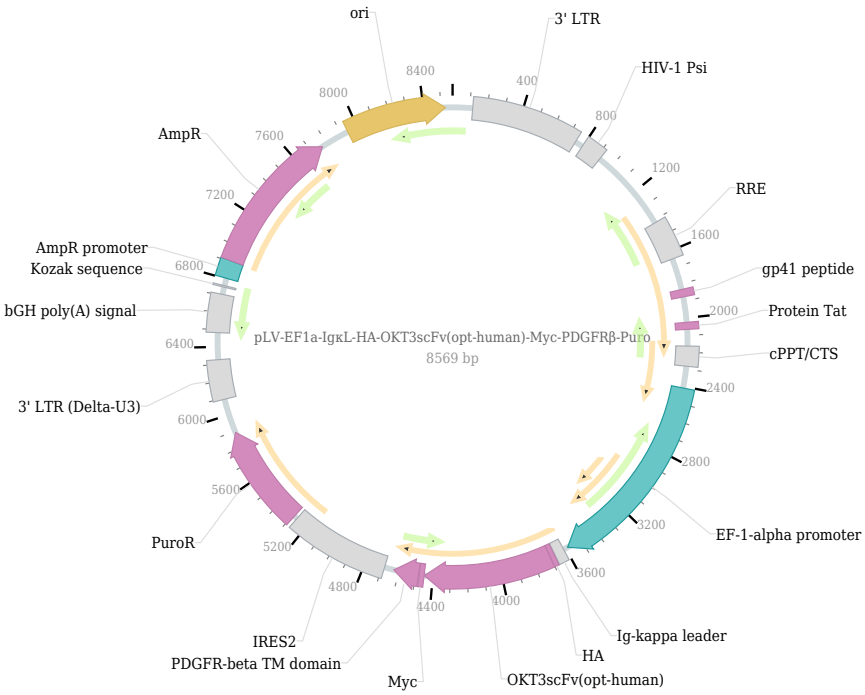
pLV-EF1a-IgκL-HA-OKT3scFv(opt-human)-Myc-PDGFRβ-Puro

载体编号 Vector ID	V014575
抗性 Antibiotic Resistance	Ampicillin
长度 Length	8569 bp
载体类型 Vector Type	Gene 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	EF-1α
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	30℃
备注 Comment	This is an 8569 bp lentiviral vector, pLV-EF1a-IgkL-HA-OKT3scFv(opt-human)-Myc-PDGFRβ-Pro. It is designed for expressing a bispecific scFv-Fc fusion protein using the EF1-alpha promoter. The construct includes an N-terminal Ig kappa leader and HA-tag, followed by a C-terminal Myc-tag and PDGFR-beta transmembrane domain. It features a self-inactivating 3' LTR (Delta-U3) and utilizes the HIV-1 Psi packaging signal, RRE, and cPPT/CTS elements for efficient viral production and gene delivery. The vector also contains a puromycin resistance gene (PuroR) for antibiotic selection.

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 ℃.