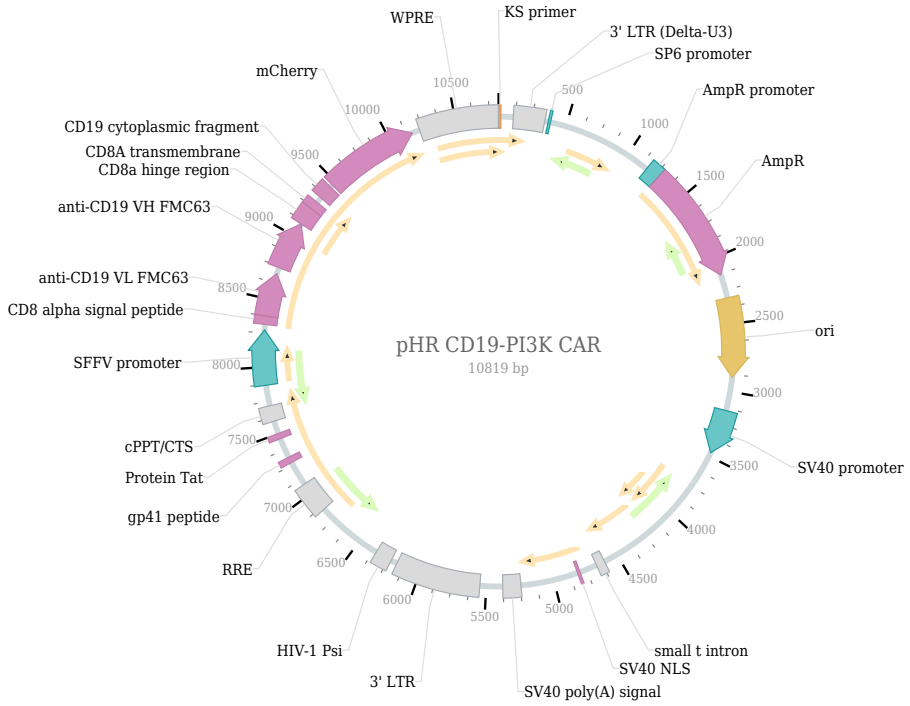
pHR CD19-PI3K CAR

载体编号 Vector ID	V016691
抗性 Antibiotic Resistance	Ampicillin
长度 Length	10819 bp
载体类型 Vector Type	Protein expression, Antibody expression
宿主 Host	Mammalian cells, Lentivirus

产品信息

复制子 Replication Origin	ori
启动子 Promoter	SFFV
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
备注 Comment	pHR CD19-PI3K CAR is a pHRSIN-based lentiviral CAR-P construct designed for macrophage reprogramming. It consists of anti-CD19 scFv, CD8 transmembrane domain and a sole CD19 cytoplasmic fragment recruiting PI3K p85 subunit, labeled with mCherry reporter. This single PI3K motif alone induces moderate whole-cell engulfment of CD19-positive Raji lymphoma cells, comparable to FcRγ CAR-P. It serves as a control component to build tandem CAR-P with FcRγ for boosted full cancer cell clearance.

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 ℃.