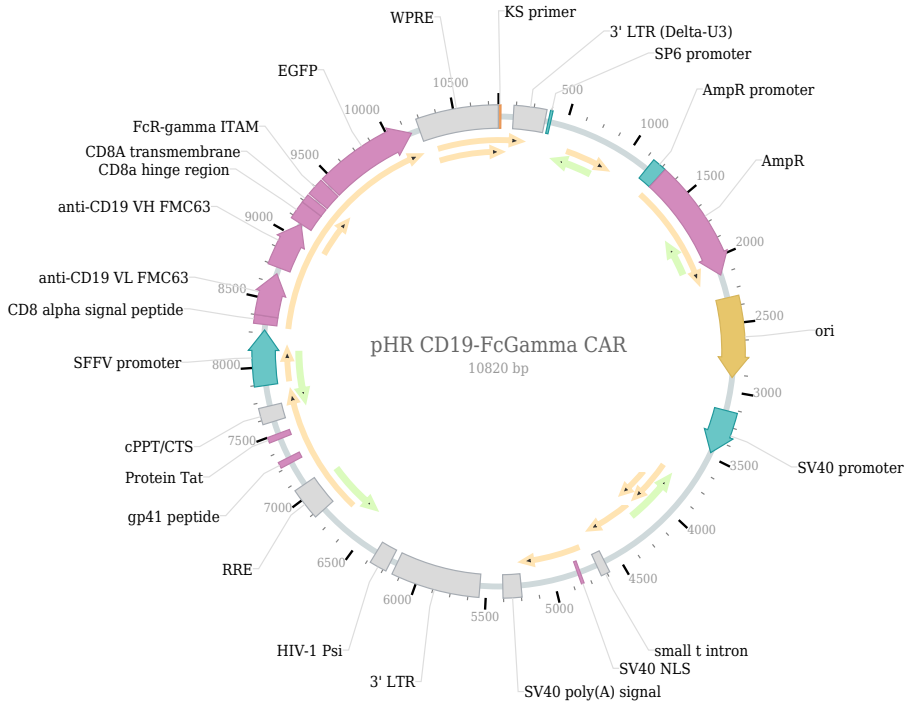
pHR CD19-FcGamma CAR

载体编号 Vector ID	V016690
抗性 Antibiotic Resistance	Ampicillin
长度 Length	10820 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-FcGamma CAR is a lentiviral CAR-P plasmid built on pHRSIN backbone for macrophage engineering. It carries anti-CD19 scFv, CD8 transmembrane segment and intracellular FcRγ ITAM signaling domain fused with GFP reporter. Once delivered into macrophages via lentivirus, this receptor triggers antigen-specific trogocytosis and full engulfment of CD19-positive Raji lymphoma cells. In co-culture, CAR-P-expressing macrophages markedly reduce viable CD19+ cancer cell counts through targeted phagocytic 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 ℃.