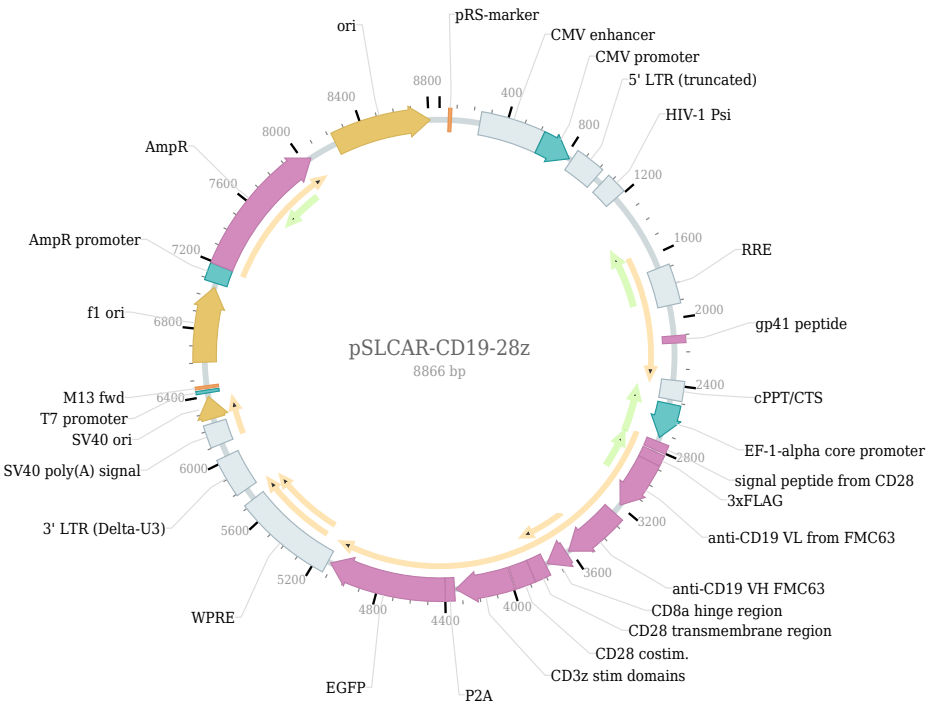
pSLCAR-CD19-28z

Vector ID	V000045
Antibiotic Resistance	Ampicillin
Length	8866 bp
Vector Type	Mammalian Expression, Lentiviral

Product Information

Replication Origin	ori
Copy Number	High Copy
Promoter	EF1a-short
Cloning Method	Restriction Enzyme
5' Primer	CGGGTTTGCCGCCA
3' Primer	caggagccTGCTCCTCTTACTcc
Growth Temperature	37℃
Comment	pSLCAR-CD19-28z is a lentiviral transfer plasmid for generating second-generation CAR-T cells. It encodes an anti-CD19 chimeric antigen receptor (CAR) fused to the CD28 co-stimulatory and CD3ζ T-cell activation domains.

Vector Map



Plasmid Resuspension Protocol

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 ℃.