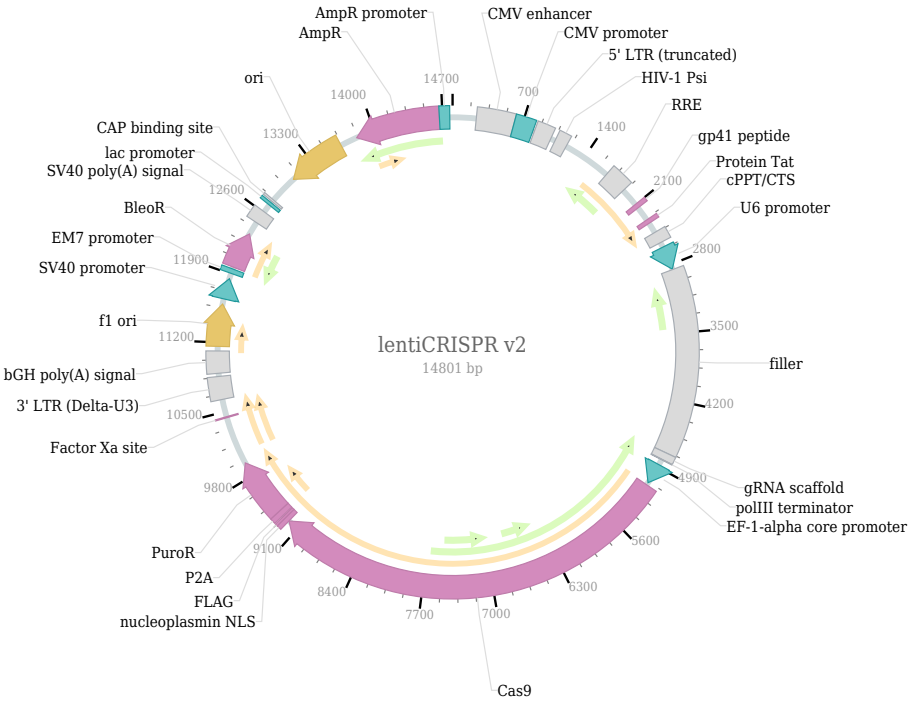
lentiCRISPR v2

Vector ID	V012328
Antibiotic Resistance	Ampicillin
Length	14801 bp
Vector Type	CRISPR Plasmids

Product Information

Replication Origin	ori
Source/Author	Sanjana NE, Shalem O, Zhang F.
Copy Number	High copy number
Promoter	U6
Growth Temperature	37℃
Comment	lentiCRISPR v2 is a plasmid that replaces original lentiCRISPRv1 (Addgene Plasmid 49535) and produces ~10-fold higher titer virus. 3rd generation lentiviral backbone. Use SapI digest to check for unwanted recombination of lentiviral plasmid. Only amplify in RecA- bacteria (eg. Stbl3).

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 ℃.