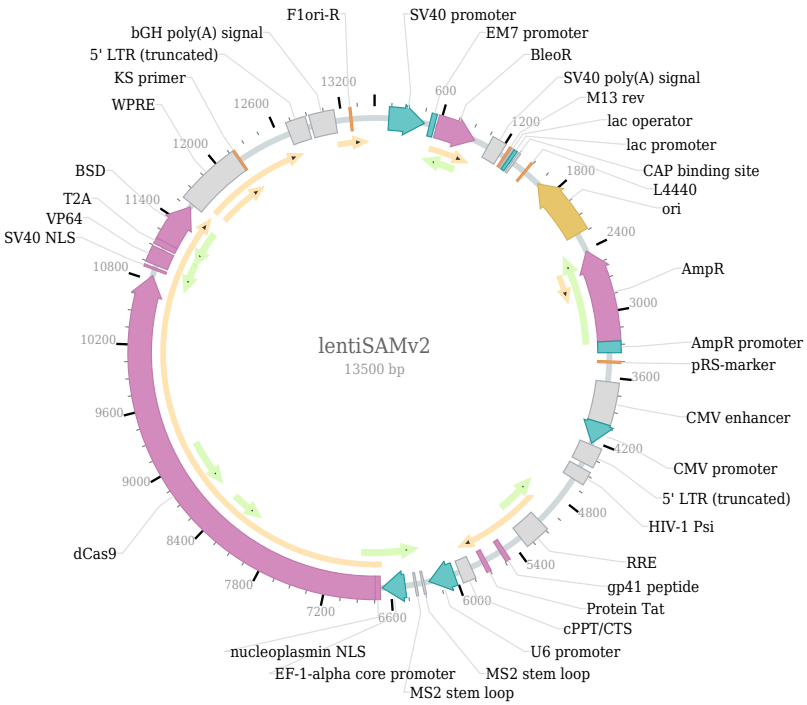
lentiSAMv2

Vector ID	V001621
Antibiotic Resistance	Ampicillin
Length	13500 bp
Vector Type	Mammalian Expression, Lentiviral, CRISPR

Product Information

Replication Origin	ori
Selection Marker	Blasticidin
Copy Number	High Copy
Promoter	U6 and EF1A
Cloning Method	Restriction Enzyme
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	The lentiSAMv2 features a lentiviral sgRNA cloning backbone with MS2 loops positioned at both the tetraloop and stemloop 2. It includes a dCas9-VP64 fusion protein and a blasticidin resistance marker for selection. Additionally, it is equipped with BsmBI restriction sites to facilitate the insertion of spacer sequences.

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 ℃.