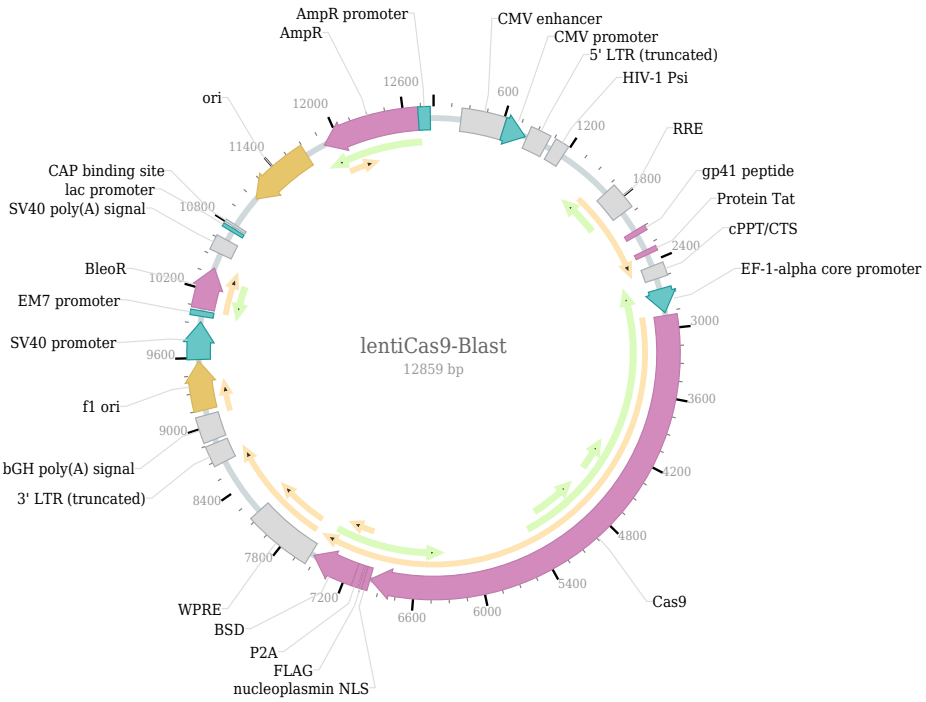
lentiCas9-Blast

Vector ID	V012331
Antibiotic Resistance	Ampicillin
Length	12859 bp
Vector Type	CRISPR Plasmids

Product Information

Replication Origin	ori
Source/Author	Sanjana NE, Shalem O, Zhang F.
Copy Number	High copy number
Growth Strain(s)	Stbl3
Comment	lentiCas9-Blast is a plasmid expressing human codon-optimized S. pyogenes Cas9 protein and blasticidin resistance from EFS promoter. 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 ℃.