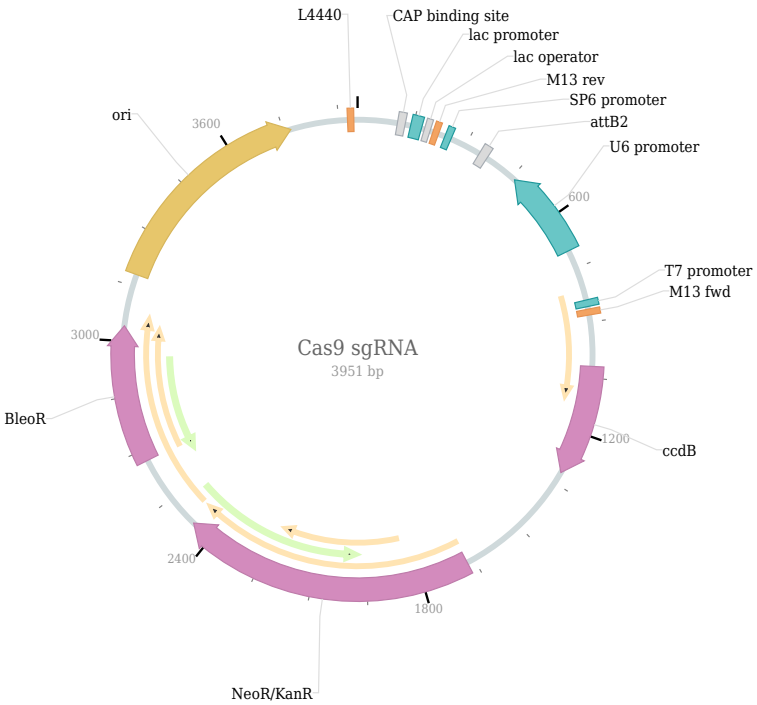
Cas9 sgRNA

Vector ID	V010135
Antibiotic Resistance	Kanamycin
Length	3951 bp
Vector Type	Mammalian Expression, CRISPR

Product Information

Replication Origin	ori
Copy Number	High Copy
Promoter	U6
Cloning Method	Restriction Enzyme
5' Primer	T7
3' Primer	Sp6
Growth Strain(s)	DH10B
Comment	A Cas9 sgRNA vector co-expresses SpCas9 and a U6-driven single-guide RNA; BbsI/BsmBI cloning inserts a target spacer, directing Cas9 to introduce site-specific double-strand breaks for CRISPR genome editing, knockout, or HDR repair.

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 ℃.