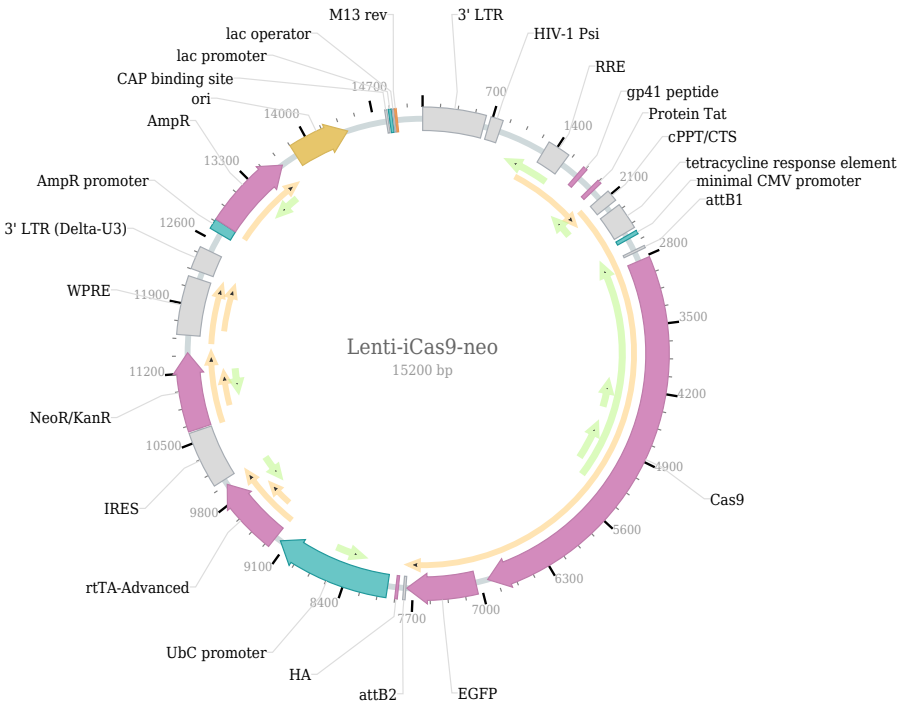
Lenti-iCas9-neo

Vector ID	V017072
Antibiotic Resistance	Ampicillin
Length	15200 bp
Vector Type	Gene knockout
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	UbC
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	The Lenti-iCas9-neo plasmid is a doxycycline-inducible CRISPR/Cas9 system featuring: Tight temporal control via TRE2 promoter; FLAG-tagged spCas9 with P2A-EGFP reporter for visualization; Neomycin resistance for stable selection; Lentiviral delivery capability; Demonstrated high knockout efficiency (85-96% protein reduction) across multiple cell lines.

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 ℃.