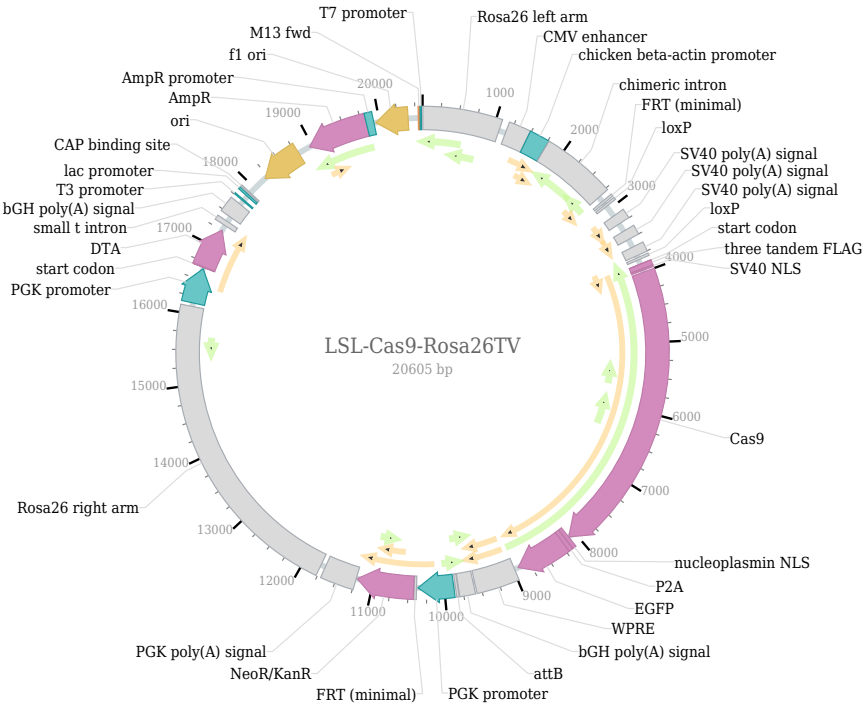
LSL-Cas9-Rosa26TV

Vector ID	V012326
Antibiotic Resistance	Ampicillin
Length	20605 bp
Vector Type	CRISPR Plasmids

Product Information

Replication Origin	ori
Source/Author	Platt RJ, Chen S, Zhou Y, Yim MJ, Swiech L, Kempton HR, Dahlman JE,
Selection Marker	Neomycin/G418(Geneticin)
Copy Number	High copy number
Promoter	CAG
Growth Strain(s)	Stbl3
Growth Temperature	30℃
Comment	The LSL-Cas9-Rosa26TV designed for Cre-dependent Cas9 expression and the corresponding targeting vector for the mouse Rosa26 locus. Cas9 expression is contingent upon Cre-mediated recombination, while the targeting vector incorporates both positive selection with neomycin (Neo) and negative selection using diphtheria toxin A subunit (DTA).

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 ℃.