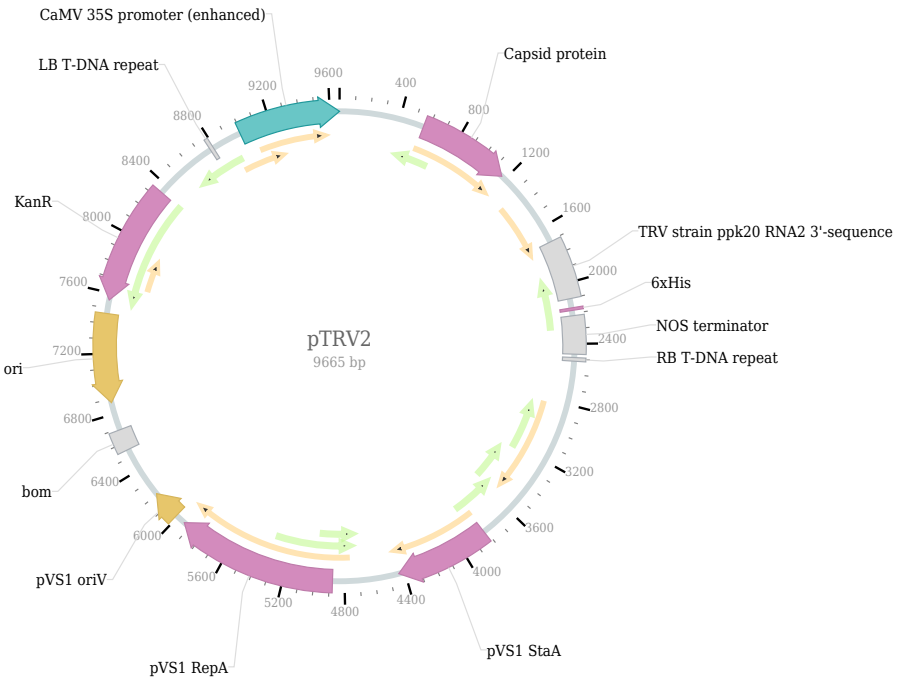
pTRV2

Vector ID	V012780
Antibiotic Resistance	Kanamycin
Length	9665 bp
Vector Type	RNAi plasmid

Product Information

Replication Origin	ori
Promoter	CaMV35S(enhanced)
Cloning Method	Enzyme Cut
Growth Strain(s)	JM109
Comment	pTRV2 is a binary cDNA clone of Tobacco rattle virus RNA2, engineered for virus-induced gene silencing (VIGS).The target gene is inserted into its multiple cloning site; after Agrobacterium-mediated co-infiltration with the helper plasmid pTRV1, the recombinant virus spreads systemically and triggers post-transcriptional silencing of the endogenous target. Widely used in Nicotiana benthamiana and tomato.

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 ℃.