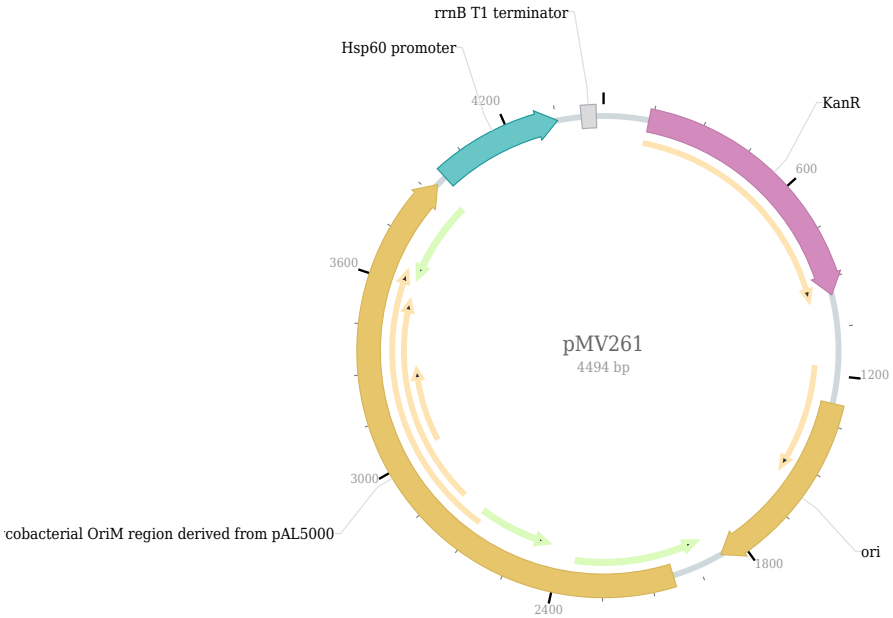
pMV261

Vector ID	V012795
Antibiotic Resistance	Kanamycin
Length	4494 bp
Vector Type	Mycobacterium Expression Vector

Product Information

Replication Origin	ori
Source/Author	Stover et al., 1991 Nature 351:456
Copy Number	High copy number
Promoter	Hsp60
Cloning Method	Enzyme Cut
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	Plasmid DNA pMV261 is a replicative vector (multicopy, extrachromosomal) that contains a DNA cassette encoding kanamycin resistance (Tn903-derived aph gene), an E. coli origin of replication (oriE), a mycobacterial plasmid DNA origin of replication (oriM), an expression cassette containing a mycobacterial promoter, a multiple cloning site, and a transcriptional terminator.

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 ℃.