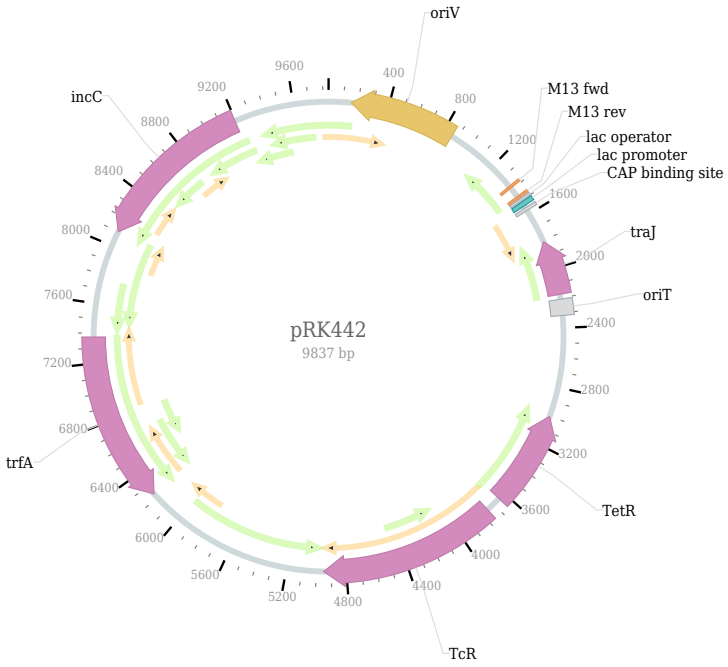
pRK442

Vector ID	V003722
Antibiotic Resistance	Tetracycline
Length	9837 bp
Vector Type	Cloning vector

Product Information

Replication Origin	oriV
Source/Author	Scott HN, Laible PD, Hanson DK.
Comment	pRK442 is a broad-host-range RK2-family vector engineered from the tetracycline-resistant pRK404, incorporating a pUC9-derived MCS and lacZalpha for blue-white screening. Replicates across diverse Gram-negative bacteria (GenBank AY204477; Scott, Laible & Hanson 2003).

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 ℃.