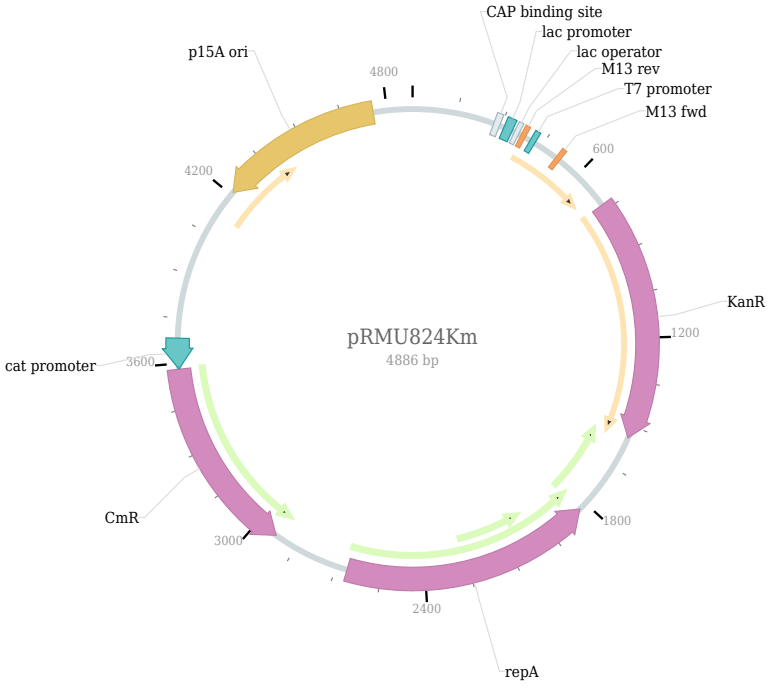
pRMU824Km

Vector ID	V003665
Antibiotic Resistance	Chloramphenicol, Kanamycin
Length	4886 bp
Vector Type	Shuttle vector

Product Information

Replication Origin	p15A ori
Source/Author	Stanislauskiene R, Gasparaviciute R, Vaitekunas J, Meskiene R, Rutkiene R, Casaite V, Meskys R.
Growth Strain(s)	Top10
Comment	pRMU824Km is a E. coli–Arthrobacter–Rhodococcus shuttle vector derived from the cryptic plasmid pPRH of Arthrobacter rhombi PRH1. It carries the pPRH RepA/RepB replicon, a p15A origin, chloramphenicol acetyltransferase, and an added kanamycin resistance gene. It replicates in all three hosts and was used for functional screening of 2-hydroxypyridine catabolism genes.

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 ℃.