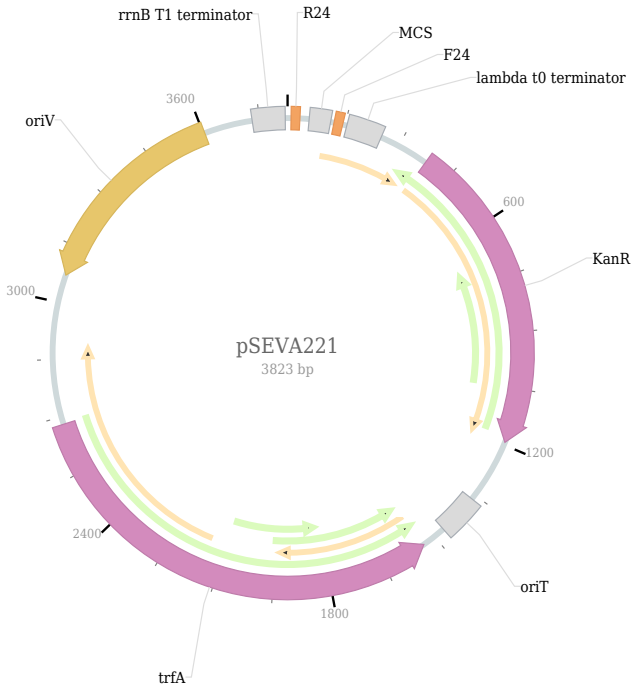
pSEVA221

Vector ID	V003364
Antibiotic Resistance	Kanamycin
Length	3823 bp
Vector Type	Cloning vector

Product Information

Replication Origin	oriV
Source/Author	Silva-Rocha R, Martinez-Garcia E, Chavarria M, Calles B, Arce-Rodriguez A, de las Heras A, Paez-Espino D, Durante-Rodriguez G, Kim J, Nikel PI, Platero R, de Lorenzo V.
Comment	pSEVA221 is a SEVA (Standard European Vector Architecture) modular broad-host-range vector: kanamycin resistance module, low-copy RK2 oriV, and standard MCS cargo, joined at standardized rare sites with oriT for RP4-mediated conjugation. A synthetic biology chassis for Gram-negative bacteria (Martinez-Garcia et al.).

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 ℃.