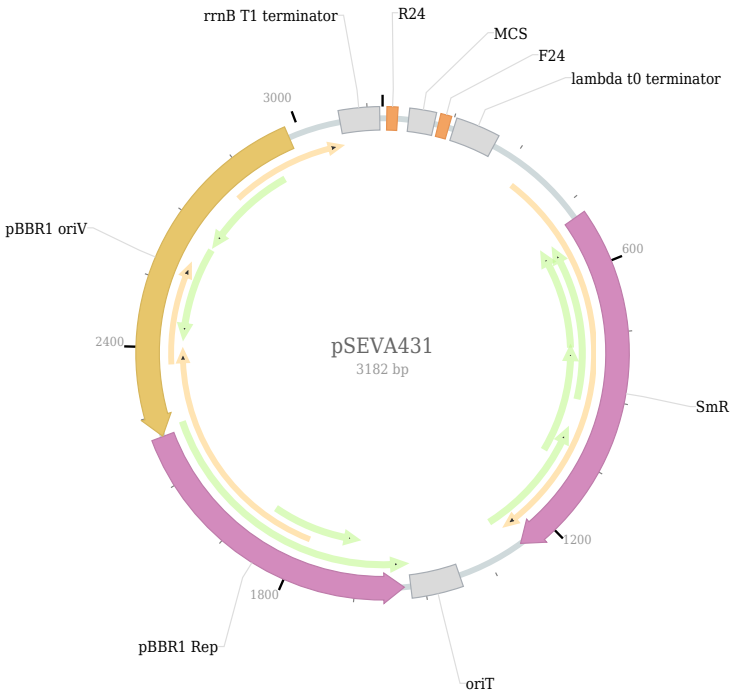
pSEVA431

Vector ID	V003316
Antibiotic Resistance	Streptomycin
Length	3182 bp
Vector Type	Cloning vector

Product Information

Replication Origin	pBBR1 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.
Growth Strain(s)	DH10B
Comment	pSEVA431 is a 3.2-kb broad-host-range cloning plasmid of the Standard European Vector Architecture (SEVA). Its digit code encodes aadA-mediated streptomycin/spectinomycin resistance, a pBBR1 replicon active across Gram-negative bacteria, an oriT for conjugative mobilization, and the default cargo: a pUC18-type polylinker with M13 F24/R24 sites and PacI/SpeI cargo-exchange boundaries.

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 ℃.