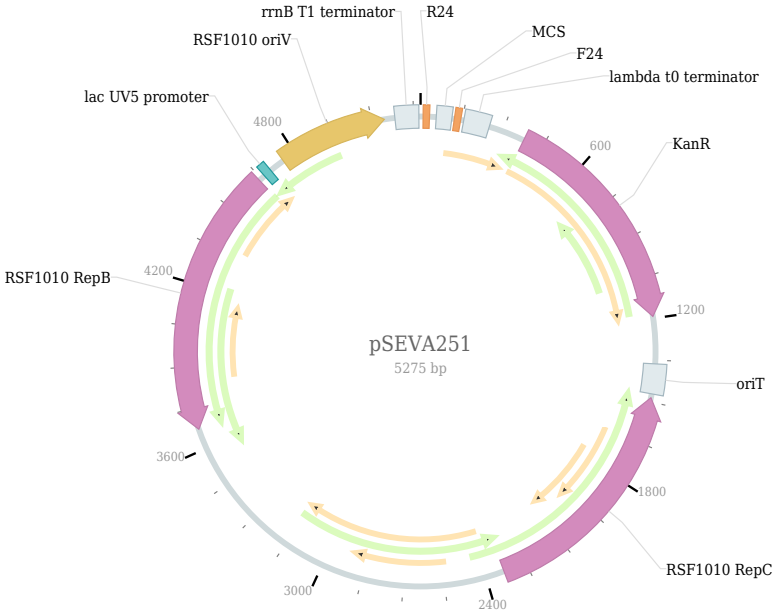
# pSEVA251

| | |
|---|---|
| **Vector ID** | V003332 |
| **Antibiotic Resistance** | Kanamycin |
| **Length** | 5275 bp |
| **Vector Type** | Cloning vector |

## Product Information

| | |
|---|---|
| **Replication Origin** | RSF1010 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. |
| **Promoter** | lac UV5 |
| **Growth Strain(s)** | DH10B |
| **Comment** | pSEVA251 is a Standard European Vector Architecture plasmid: encodes the broad-host-range RSF1010 origin, the kanamycin marker, and the MCS cargo. Its standardized backbone allows module swapping among origins, markers, and cargos, enabling portable genetic circuit assembly in diverse Gram-negative bacteria. |

## 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 ℃.