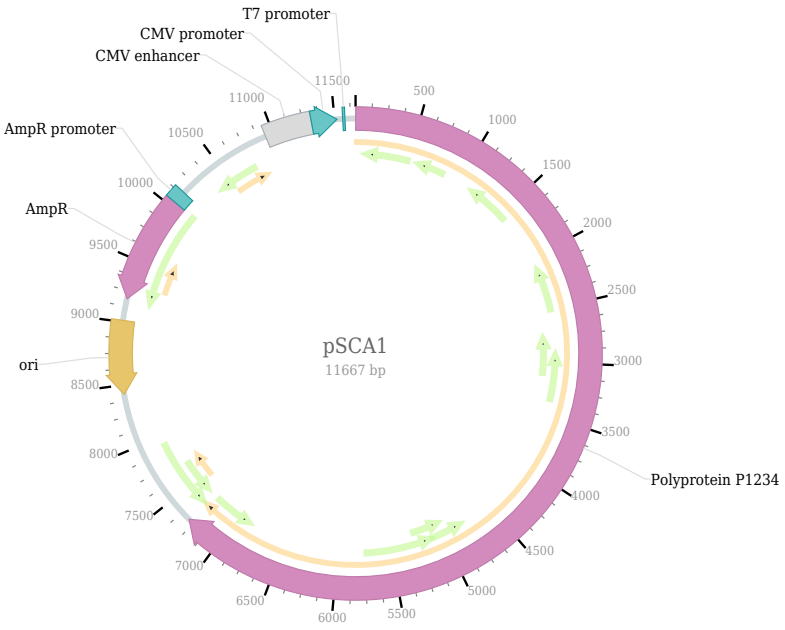
pSCA1

Vector ID	V013364
Antibiotic Resistance	Ampicillin
Length	11667 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Promoter	CMV
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pSCA1 is a DNA-based Semliki Forest virus (SFV) replicon vector. It uses a CMV promoter to drive an alphaviral replicase, enabling cytoplasmic RNA self-amplification and high-level protein expression. Transfected cells undergo apoptosis within days, making it a "suicidal" vector ideal for safe DNA vaccines and transient protein production.

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 ℃.