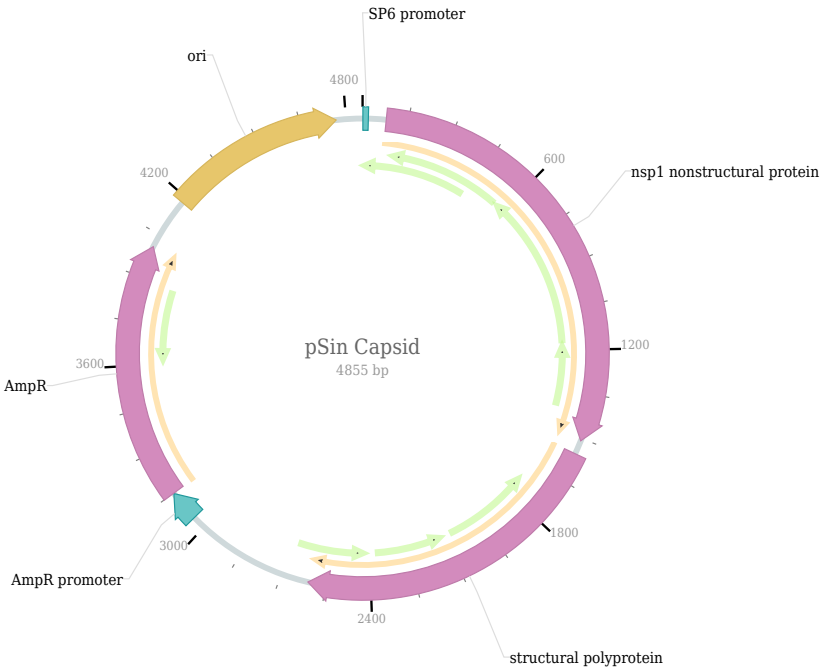
pSin Capsid

载体编号 Vector ID	V016680
抗性 Antibiotic Resistance	Ampicillin
长度 Length	4855 bp
载体类型 Vector Type	Protein expression
宿主 Host	Mammalian cells

产品信息

复制子 Replication Origin	ori
启动子 Promoter	SP6
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pSin Capsid is a helper plasmid in the VEGAS Sindbis viral system from the 2019 Cell paper. It encodes the Sindbis capsid protein and generates packaging-competent mRNA after linearization and in vitro transcription. Co-electroporation of its mRNA with pTSin and pSinHelper RNAs in BHK21 cells enables assembly of recombinant Sindbis virions carrying target transgenes. This plasmid supplies core nucleocapsid components essential for continuous viral propagation during mammalian directed evolution.

质粒图谱



复溶方法

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 ℃.