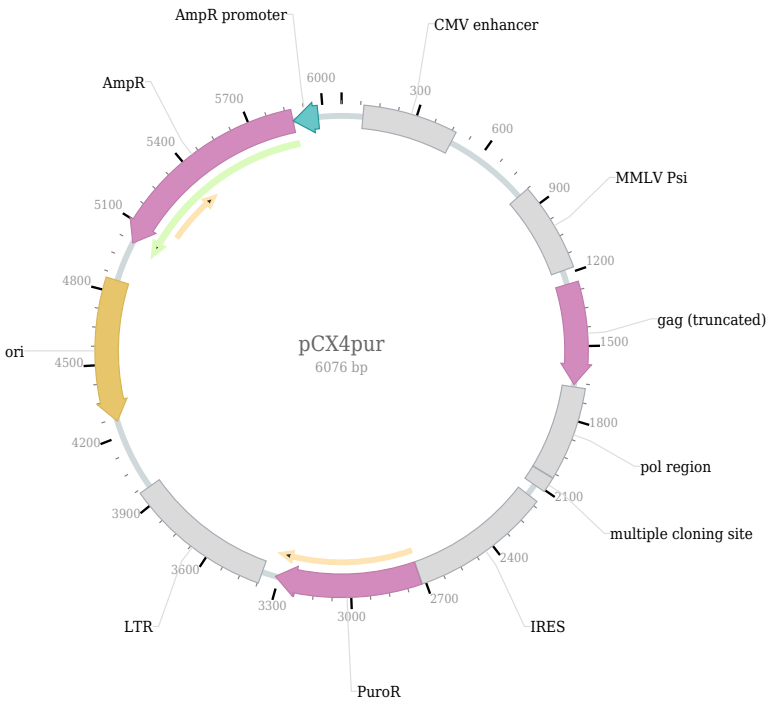
pCX4pur

载体编号 Vector ID	V008094
抗性 Antibiotic Resistance	Ampicillin
长度 Length	6076 bp
载体类型 Vector Type	Retroviral vector

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Akagi T, Sasai K, Hanafusa H.
备注 Comment	pCX4pur is a retroviral expression vector based on the murine leukemia virus (MLV) backbone, improved from the pCX vector to eliminate upstream ATG-initiated fusion proteins. It features a CAG promoter, MLV LTRs, a puromycin resistance cassette for selection in mammalian cells, and an ampicillin resistance gene for propagation in E. coli. The vector is designed for retrovirus-mediated gene delivery and stable expression in transduced cells (Akagi et al., PNAS 100:13567–13572, 2003; GenBank AB086386).

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 ℃.