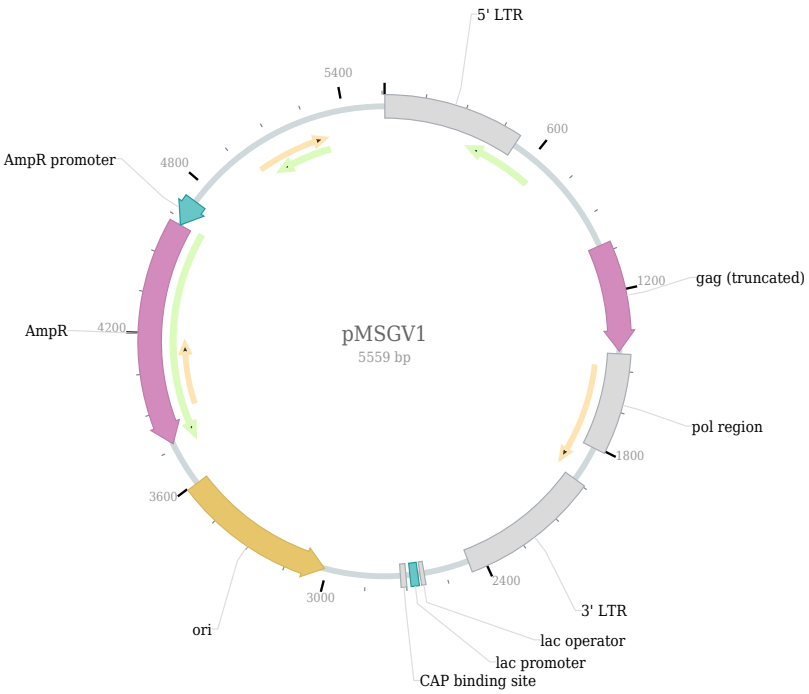
pMSGV1

载体编号 Vector ID	V013636
抗性 Antibiotic Resistance	Ampicillin
长度 Length	5559 bp
载体类型 Vector Type	Protein expression
宿主 Host	Mammalian cells, Retrovirus

产品信息

复制子 Replication Origin	ori
启动子 Promoter	MSCV
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
备注 Comment	pMSGV1 is a retroviral vector backbone derived from the murine stem cell virus (MSCV), specifically designed for high-efficiency gene transfer. It utilizes an MSCV long terminal repeat (LTR) to drive expression and is well-suited for cloning and expressing T-cell receptor (TCR) genes in primary human lymphocytes. This vector has been successfully used to construct bicistronic cassettes, enabling the coordinated expression of TCR alpha and beta chains for cancer immunotherapy research.

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 ℃.