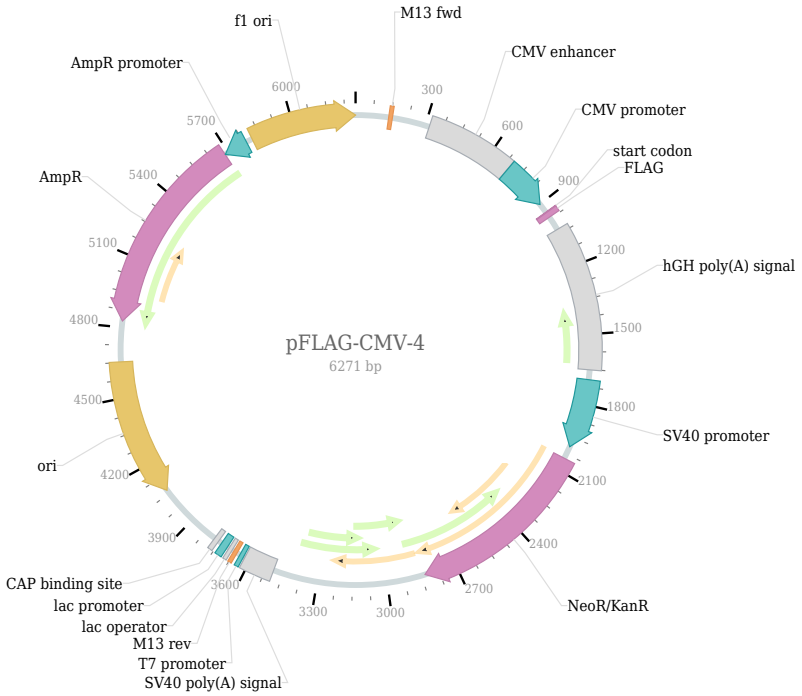
pFLAG-CMV-4

载体编号 Vector ID	V011137
抗性 Antibiotic Resistance	Ampicillin
长度 Length	6271 bp
载体类型 Vector Type	Mammalian Expression Vectors

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Sigma-Aldrich
筛选标记 Selection Marker	Neomycin/G418(Geneticin)
拷贝数 Copy Number	High copy number
启动子 Promoter	CMV
5' 引物 5' Primer	M13 fwd
3' 引物 3' Primer	M13 rev
培养菌株 Growth Strain(s)	Top 10
培养温度 Growth Temperature	37℃
备注 Comment	pFLAG-CMV-4 is a 6.2 kb mammalian expression vector designed for transient or stable intracellular expression of N-terminal FLAG-tagged fusion proteins. It utilizes the strong human cytomegalovirus (CMV) promoter and contains an aminoglycoside phosphotransferase (neoR) gene for selection with G418 in mammalian cells. As a shuttle vector, it carries both a bacterial origin of replication and an SV40 origin, allowing propagation in E. coli(with ampicillin resistance) and mammalian cells. The encoded FLAG epitope (DYKDDDDK) enables sensitive detection and purification of the recombinant protein.

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 ℃.