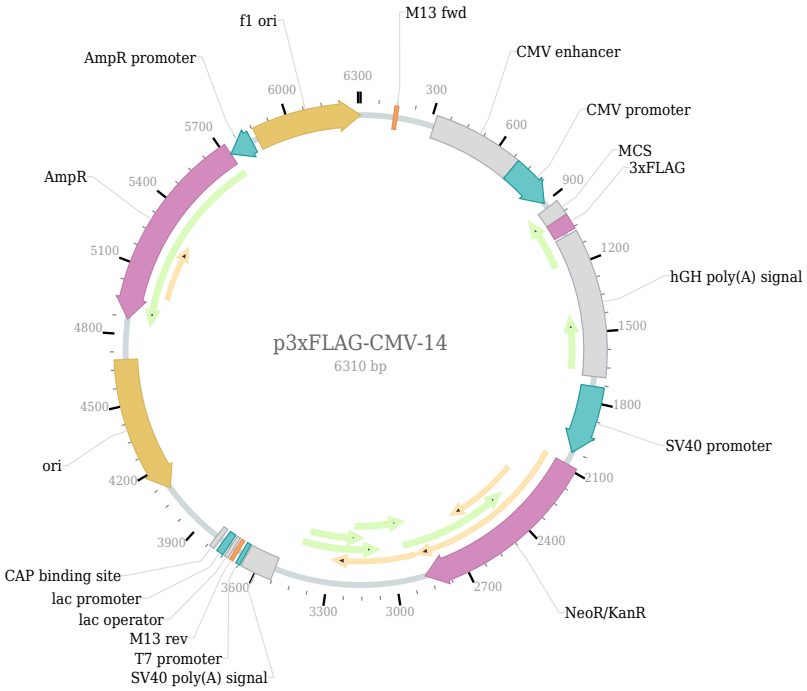
p3xFLAG-CMV-14

载体编号 Vector ID	V011361
抗性 Antibiotic Resistance	Ampicillin
长度 Length	6310 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
克隆方法 Cloning Method	Enzyme digestion and ligation
5' 引物 5' Primer	M13 fwd
3' 引物 3' Primer	M13 rev
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	p3xFLAG-CMV-14 is a mammalian expression vector designed for the constitutive expression of a target protein in mammalian cells. p3xFLAG-CMV-14 features the strong cytomegalovirus (CMV) promoter to drive high levels of gene expression. The multiple cloning site (MCS) contains three FLAG tags, allowing for easy detection and immunoprecipitation of the expressed protein. Additionally, the vector includes the SV40 origin of replication, enabling efficient replication in mammalian cells. The ampicillin resistance gene confers resistance to ampicillin, facilitating selection of transformed cells. p3xFLAG-CMV-14 is commonly used in protein overexpression studies, subcellular localization analysis, and protein-protein interaction assays in mammalian cell culture systems.

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 ℃.