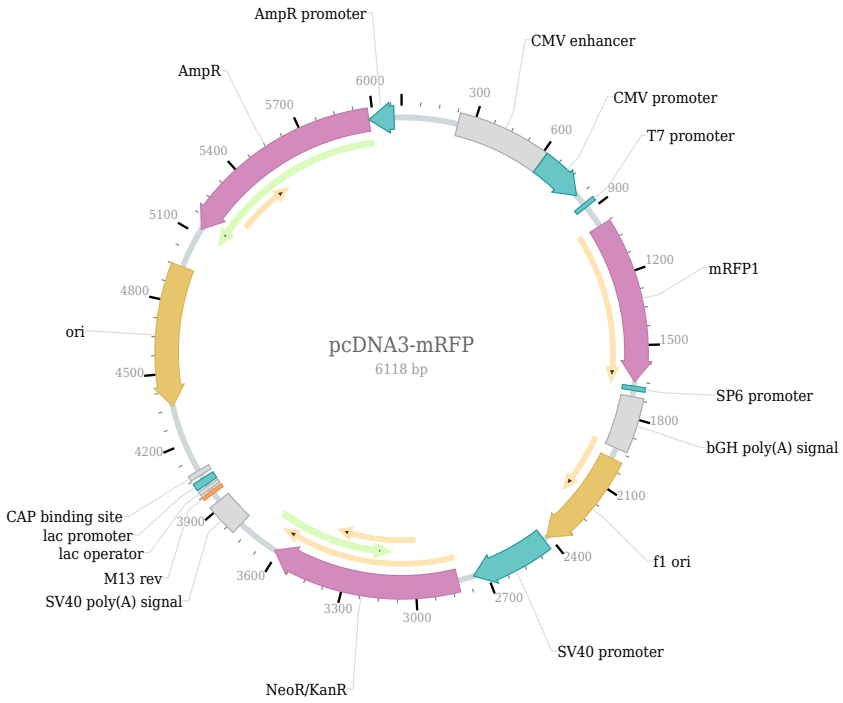
pcDNA3-mRFP

载体编号 Vector ID	V007435
抗性 Antibiotic Resistance	Ampicillin
长度 Length	6118 bp
载体类型 Vector Type	Mammalian Expression Vectors

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Neomycin
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	T7 Fwd:5'd[TAATACGACTCACTATAGGG]3'
融合标签 Fusion Tag	mRFP
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	The pcDNA3-mRFP plasmid is a mammalian expression vector designed for high-level protein expression and visualization. It utilizes a CMV promoter to drive red fluorescent protein (mRFP) expression, enabling real-time tracking in eukaryotic cells. It contains ampicillin resistance for bacterial selection and neomycin resistance (G418) for generating stable mammalian cell lines.

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 ℃.