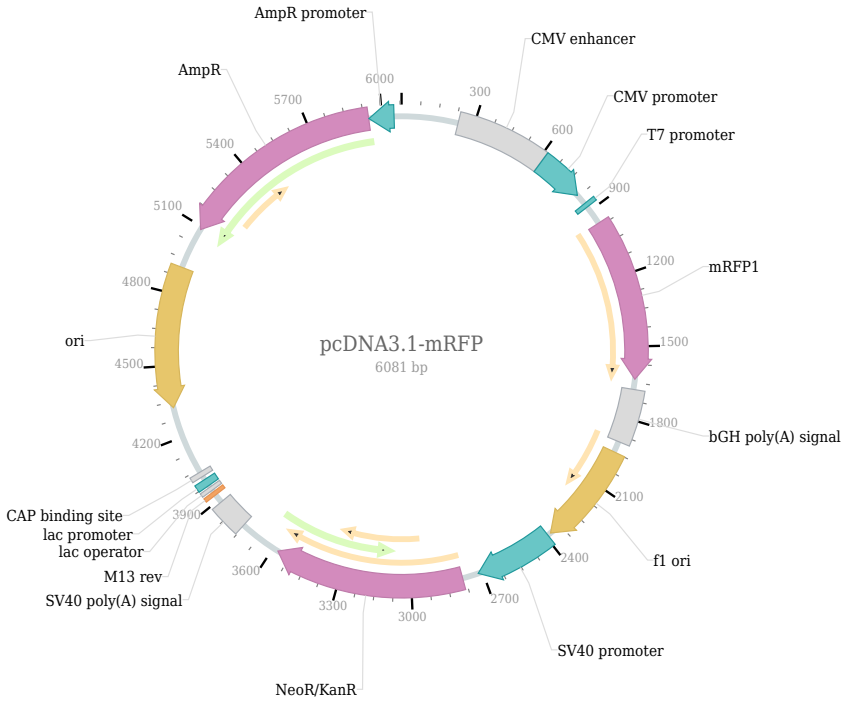
pcDNA3.1-mRFP

载体编号 Vector ID	V012358
抗性 Antibiotic Resistance	Ampicillin
长度 Length	6081 bp
载体类型 Vector Type	Mammalian Expression Vectors, Fluorescent Protein

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	mRFP1
启动子 Promoter	CMV
培养菌株 Growth Strain(s)	DH10B
备注 Comment	pcDNA3.1-mRFP is a mammalian expression vector derived from the pcDNA3.1(+) backbone, with the monomeric Red Fluorescent Protein (mRFP) gene inserted between EcoRI and XhoI sites. It can be used either as a negative control (NC) within the pcDNA3.1(+) series or to construct fusion plasmids for overexpressing target genes fused to mRFP. The vector carries a Neo resistance gene, allowing G418 selection in eukaryotic cells to facilitate stable transfection and protein expression studies.

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 ℃.