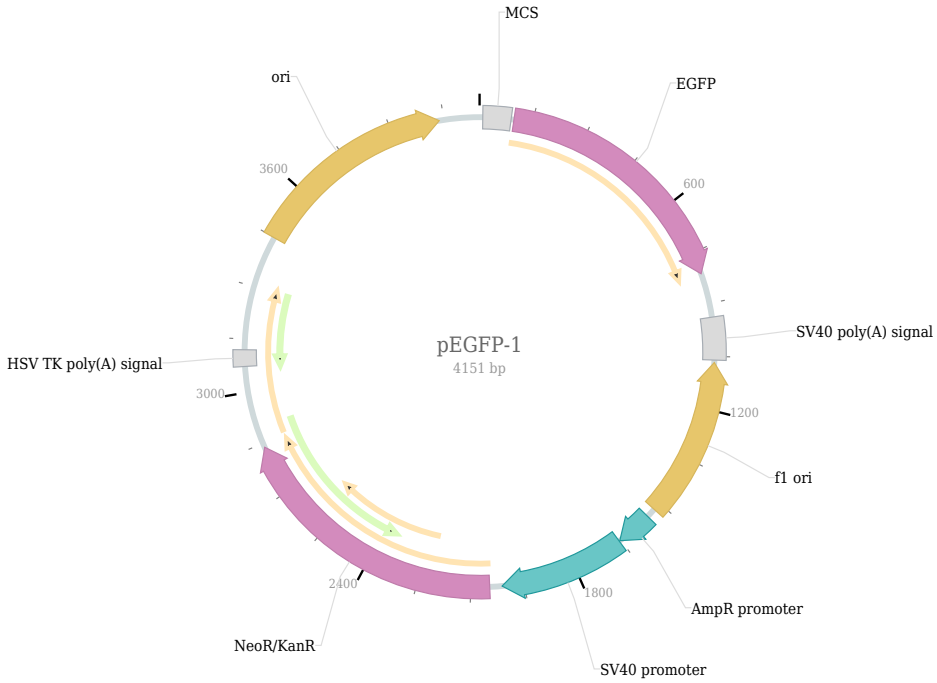
pEGFP-1

载体编号 Vector ID	V012025
抗性 Antibiotic Resistance	Kanamycin
长度 Length	4151 bp
载体类型 Vector Type	Fluorescent Protein Genes & Plasmids

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Clontech
筛选标记 Selection Marker	Neomycin/G418(Geneticin)
拷贝数 Copy Number	High copy number
启动子 Promoter	SV40
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pEGFP-1 is a promoterless mammalian expression vector designed for gene expression studies. It encodes an Enhanced Green Fluorescent Protein (EGFP) variant with brighter fluorescence (Ex/Em: 488/507 nm). At 4.15 kb, it contains a multiple cloning site upstream of the EGFP gene for inserting promoters of interest. Selectable markers include kanamycin resistance in bacteria and neomycin (G418) in mammalian cells. It features origins for replication in both E. coli(pUC ori) and mammalian cells (SV40 ori), serving as a versatile reporter vector.

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 ℃.