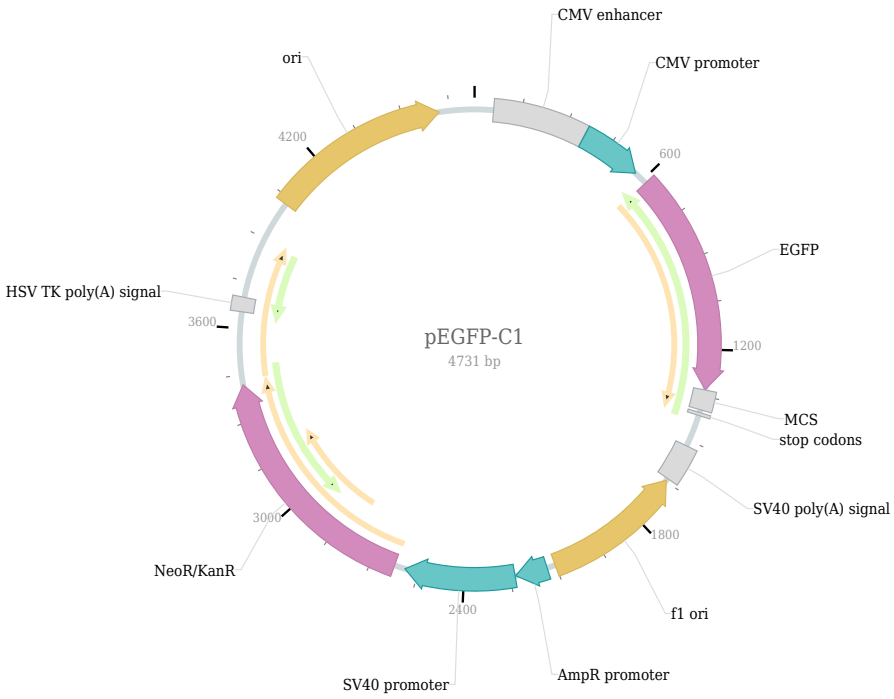
pEGFP-C1

Vector ID	V012024
Antibiotic Resistance	Kanamycin
Length	4731 bp
Vector Type	Fluorescent Protein Genes & Plasmids

Product Information

Replication Origin	ori
Source/Author	Clontech
Selection Marker	Neomycin/G418(Geneticin)
Copy Number	High copy number
Promoter	CMV
Cloning Method	Enzyme Cut
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	The pEGFP-C1 vector features an enhanced green fluorescent protein (EGFP) gene. Its multiple cloning site is located after the GFP gene, enabling the N-terminus of the target protein to be fused with GFP in the constructed fusion protein. Commonly used in molecular biology research, it offers a useful tool for observing protein localization and expression.

Vector Map



Plasmid Resuspension Protocol

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 ℃.