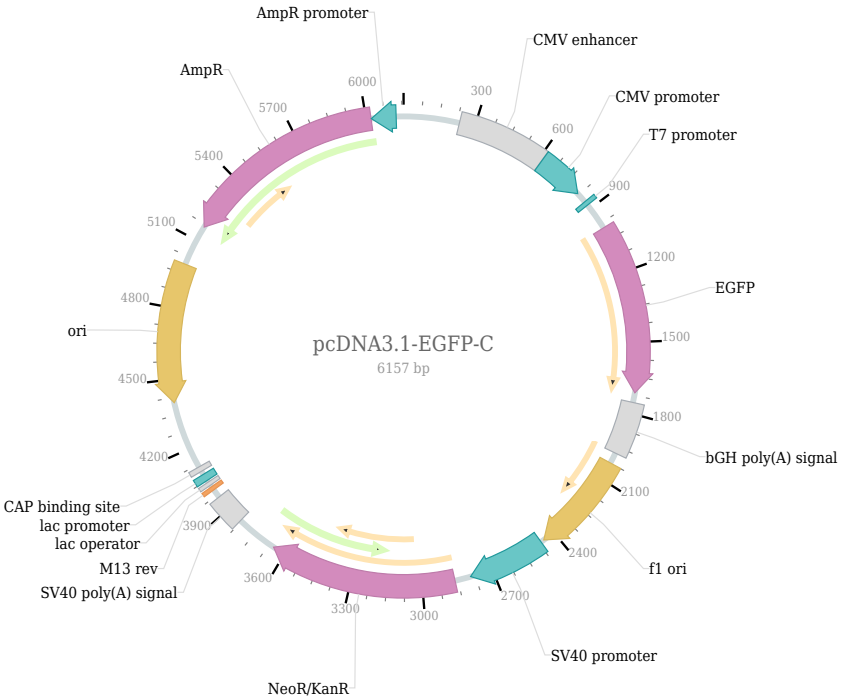
pcDNA3.1-EGFP-C

Vector ID	V006637
Antibiotic Resistance	Ampicillin
Length	6157 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Selection Marker	Neomycin / G418
Copy Number	High copy number
Promoter	SV40
Cloning Method	Enzyme digestion and ligation
5' Primer	CMV-f:5'-CGCAAATGGGCGGTAGGCGTG-3'
3' Primer	BGH-R:5'-TAGAAGGCACAGTCGAGG-3'
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The pcDNA3.1-EGFP-C plasmid is a mammalian expression vector designed for high-level expression of C-terminally tagged enhanced green fluorescent protein (EGFP) fusion proteins. Driven by the CMV promoter, it allows visualization of protein localization and dynamics in living cells. The vector also contains a neomycin/G418 resistance marker for the selection of stable cell lines.

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 ℃.