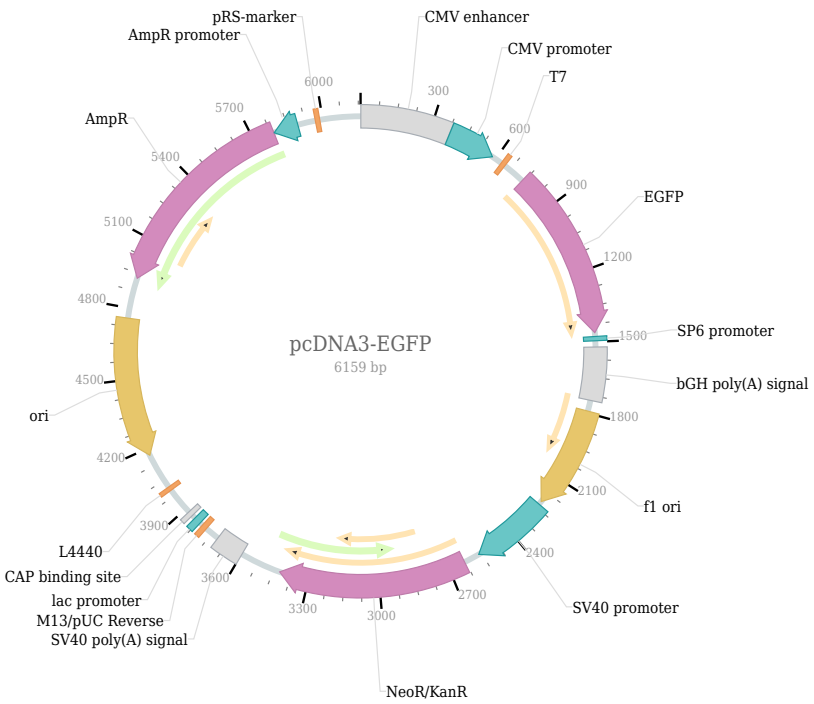
pcDNA3-EGFP

Vector ID	V018125
Antibiotic Resistance	Ampicillin
Length	6159 bp
Vector Type	Mammalian Expression Vectors

Product Information

Source/Author	Doug Golenbock
Copy Number	High copy number
Promoter	CMV
Growth Temperature	37℃
Comment	The pcDNA3-EGFP is a mammalian expression plasmid containing the enhanced green fluorescent protein (EGFP) gene driven by the CMV promoter for high-level expression in mammalian cells. It carries ampicillin resistance for bacterial selection and neomycin/G418 resistance for stable selection in eukaryotic cells. This plasmid is widely used as a reporter construct and for creating EGFP fusion proteins.

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 ℃.