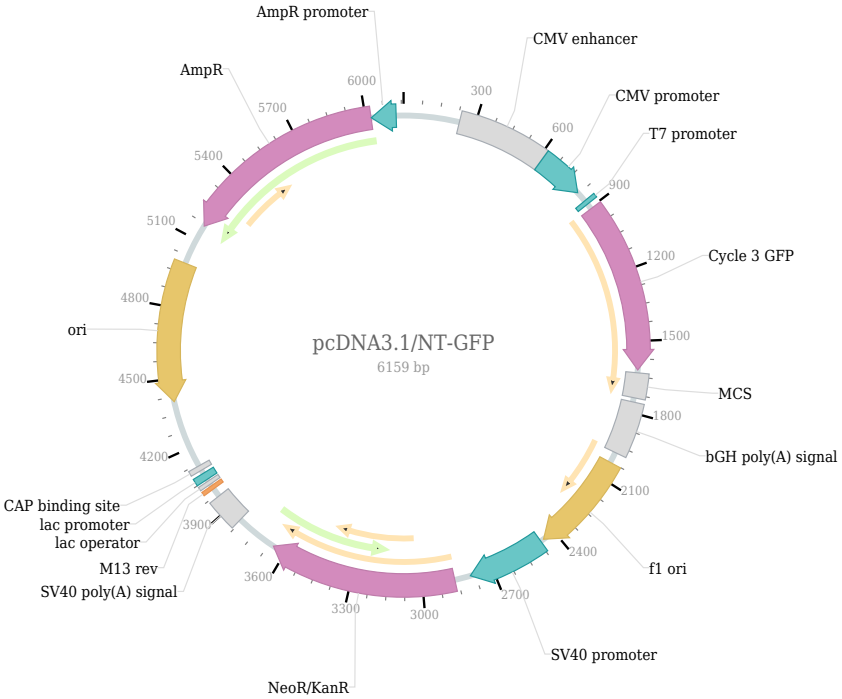
pcDNA3.1/NT-GFP

Vector ID	V011331
Antibiotic Resistance	Ampicillin
Length	6159 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	Invitrogen (Life Technologies)
Selection Marker	Neomycin/G418(Geneticin)
Copy Number	High copy number
Growth Strain(s)	DH10B
Comment	pcDNA3.1/NT-GFP is a mammalian expression vector designed for creating N-terminal GFP fusion proteins. It utilizes the CMV promoter for high-level expression and TOPO-TA cloning for rapid insertion of PCR products. The vector includes ampicillin resistance for bacterial selection and a neomycin marker for stable selection in mammalian cells.

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 ℃.