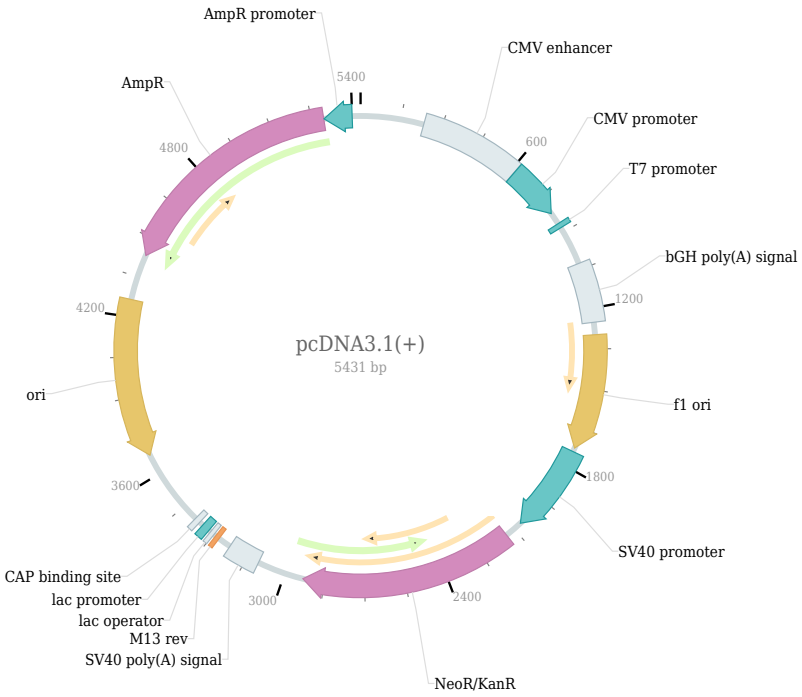
pcDNA3.1(+)

Vector ID	V012531
Antibiotic Resistance	Ampicillin
Length	5431 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
Promoter	SV40
3' Primer	M13 rev
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	Mammalian expression vector harboring the CMV promoter. The multiple cloning site (MCS) is situated in the forward (+) orientation, allowing for the insertion of the gene of interest under the control of the CMV promoter for efficient expression 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 ℃.