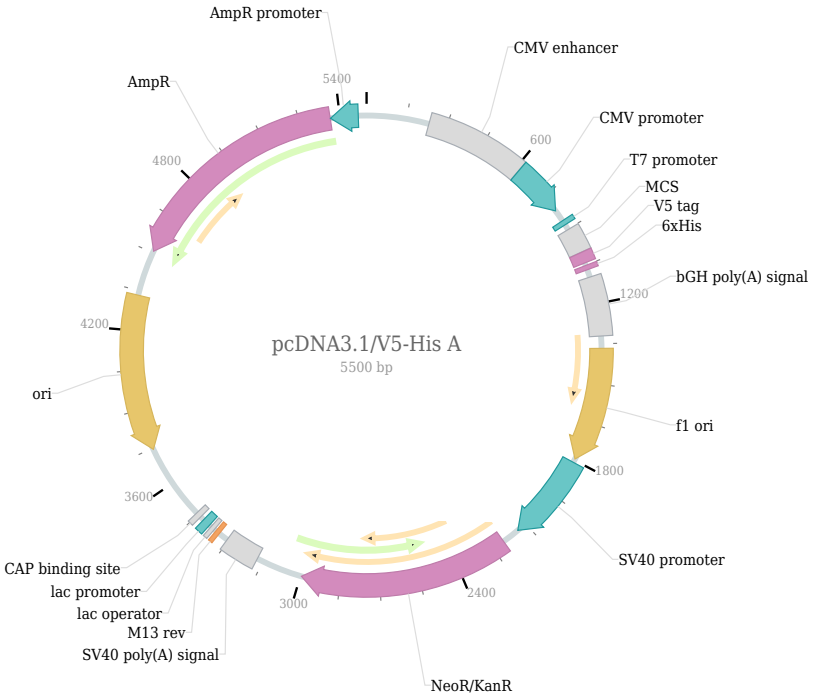
pcDNA3.1/V5-His A

Vector ID	V011329
Antibiotic Resistance	Ampicillin
Length	5500 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
Growth Temperature	37℃
Comment	pcDNA3.1/V5-His A is a 5.5 kb mammalian expression vector designed for high-level recombinant protein production. It features a CMV promoter, C-terminal V5 epitope and polyhistidine (6xHis) tags for detection/purification, and ampicillin/neomycin (G418) resistance for bacterial and mammalian selection.

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 ℃.