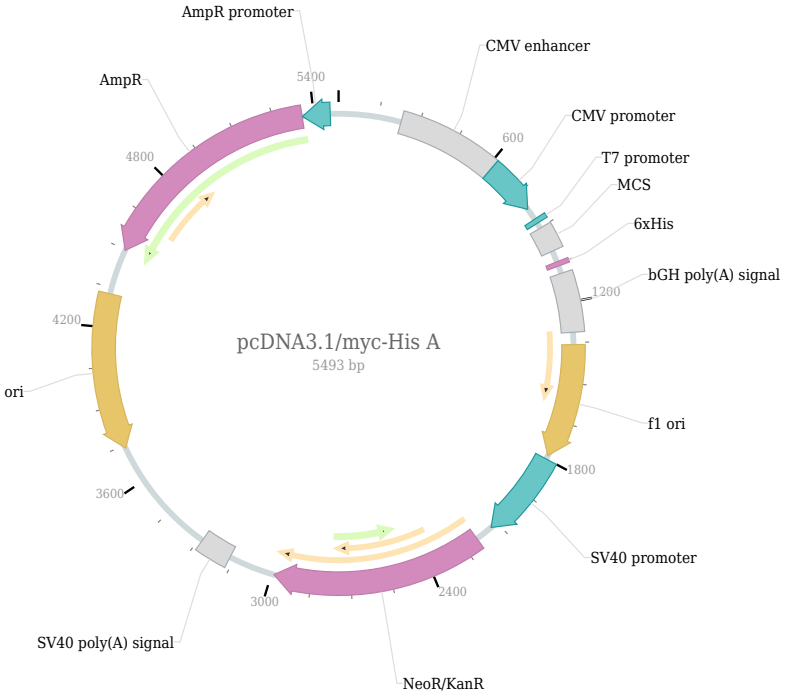
pcDNA3.1/myc-His A

Vector ID	V011337
Antibiotic Resistance	Ampicillin
Length	5493 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/myc-His A is a mammalian expression vector. The CMV immediate-early promoter drives high-level expression of inserts cloned into the reading-frame-A multiple cloning site, yielding proteins C-terminally tagged with Myc (EQKLISEEDL) and 6×His for detection and metal-affinity purification. NeoR allows G418 selection of stable cell lines; the pUC origin and AmpR support high-copy growth in E. coli.

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 ℃.