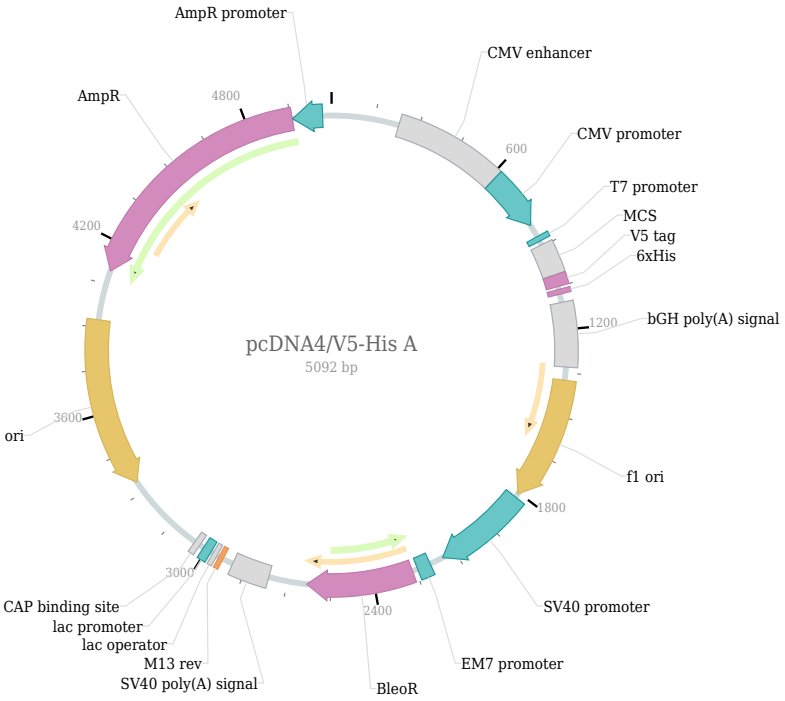
pcDNA4/V5-His A

Vector ID	V011298
Antibiotic Resistance	Ampicillin
Length	5092 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	Invitrogen (Life Technologies)
Copy Number	High copy number
Promoter	EM7
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pcDNA4/V5-His A is a mammalian expression vector (frame A) with a CMV promoter and C-terminal V5 epitope plus 6xHis tags, with Zeocin resistance for dual E. coli/mammalian selection. Enables high-level expression, anti-V5 detection, and Ni-NTA purification of tagged 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 ℃.