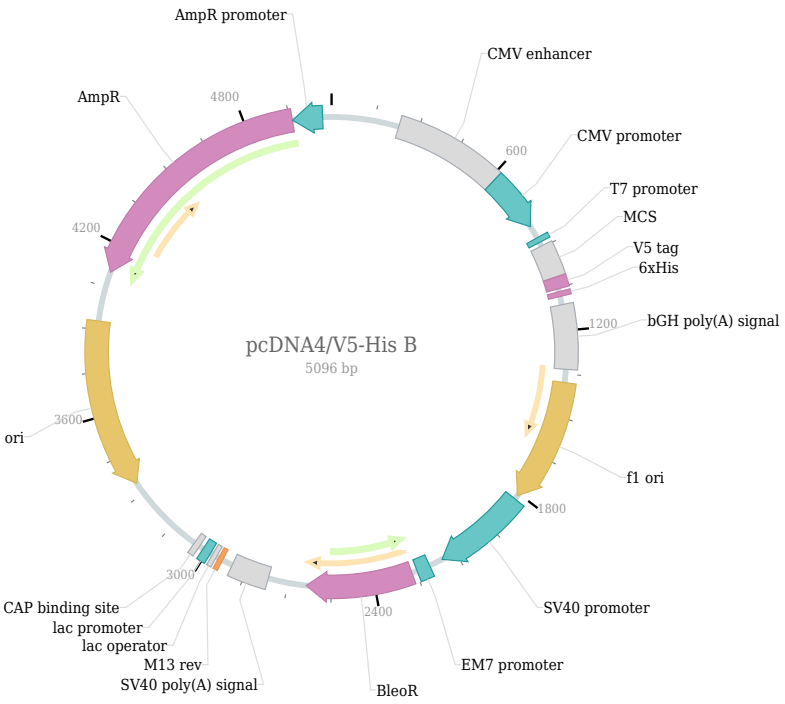
pcDNA4/V5-His B

Vector ID	V011297
Antibiotic Resistance	Ampicillin
Length	5096 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	Invitrogen (Life Technologies)
Copy Number	High copy number
Promoter	SV40
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pcDNA4/V5-His B is a reading-frame variant B of the pcDNA4/V5-His series: CMV promoter, MCS followed by C-terminal V5 epitope and 6xHis tag, with Zeocin selection. Supports expression, detection, and purification of C-terminally tagged recombinant proteins in mammalian cells. Because the Zeocin resistance gene is driven by a dual promoter (EM7 and SV40), it allows for selection in both prokaryotic (E. coli) and eukaryotic (mammalian) systems using only one antibiotic.

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 ℃.