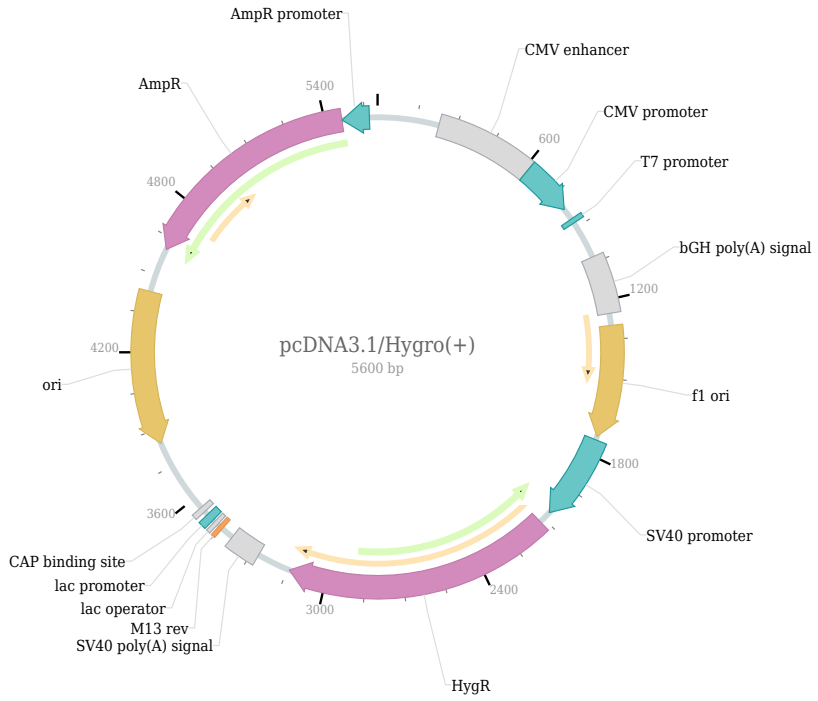
pcDNA3.1/Hygro(+)

Vector ID	V011339
Antibiotic Resistance	Ampicillin
Length	5600 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	Invitrogen (Life Technologies)
Copy Number	High copy number
Growth Strain(s)	DH10b
Growth Temperature	37℃
Comment	The pcDNA3.1/Hygro(+) is a mammalian expression vector designed for high-level, constitutive protein expression. It features a CMV promoter, a hygromycin selection marker for stable cell line generation, and an ampicillin resistance gene for bacterial propagation.

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 ℃.