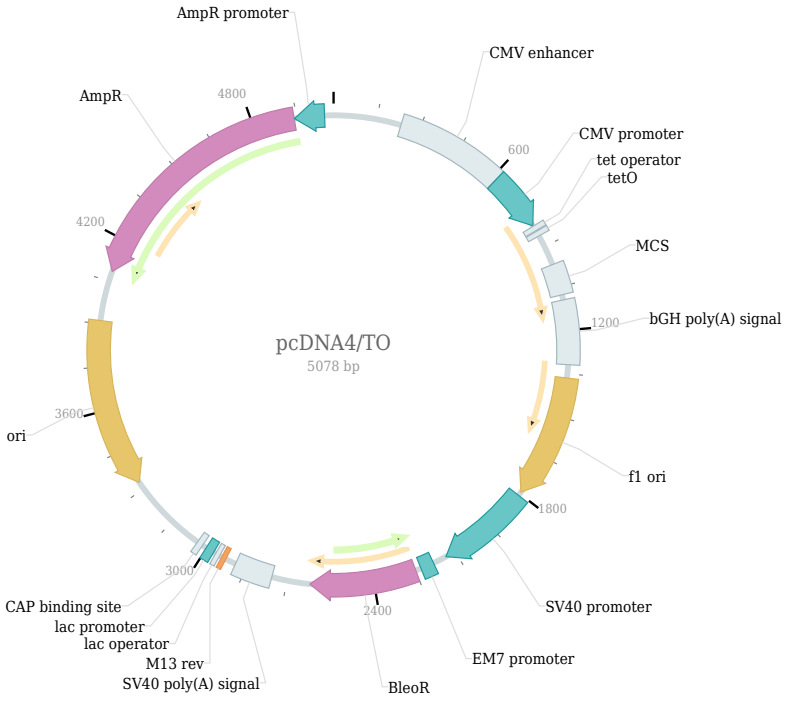
pcDNA4/TO

Vector ID	V011299
Antibiotic Resistance	Ampicillin
Length	5078 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)	Top10
Comment	pcDNA4/TO is a tetracycline-regulated mammalian vector bearing a CMV promoter with two TetO2 operator sites that silence transcription upon TetR binding. Used with TetR-expressing helper plasmids (e.g., pcDNA6/TR) or cell lines for tight doxycycline-inducible expression; Zeocin 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 ℃.