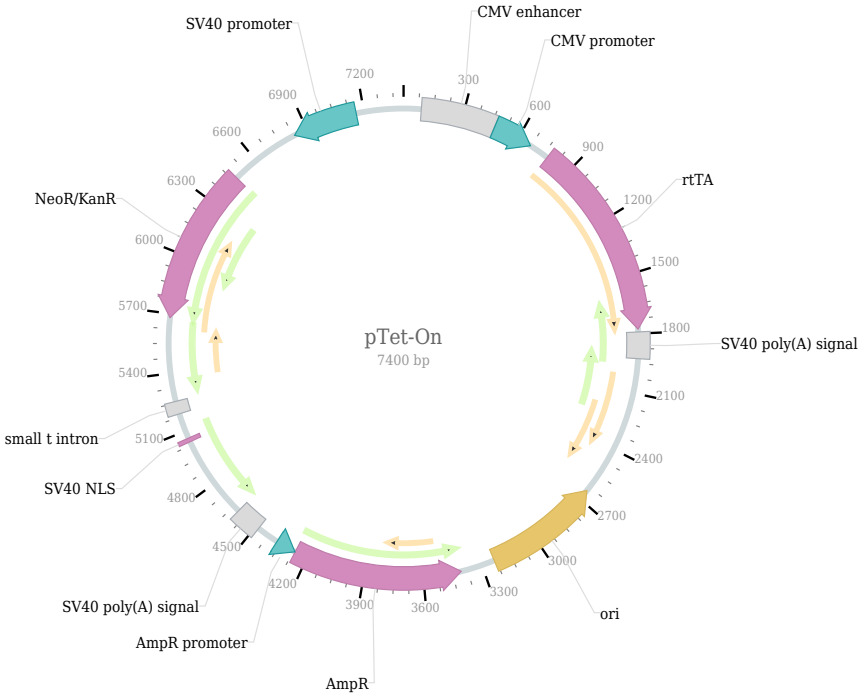
pTet-On

Vector ID	V011069
Antibiotic Resistance	Ampicillin
Length	7400 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	Gossen M, Freundlieb S, Bender G, Muller G, Hillen W, Bujard H.
Selection Marker	Neomycin/G418(Geneticin)
Copy Number	High copy number
Promoter	SV40
Growth Strain(s)	DH10B
Comment	pTet-On is a mammalian expression vector encoding rtTA, a fusion of a mutated TetR and the VP16 activation domain, driven by the CMV promoter. Upon doxycycline binding, rtTA activates transcription from TRE-controlled promoters, enabling inducible, dose-dependent gene expression.

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 ℃.