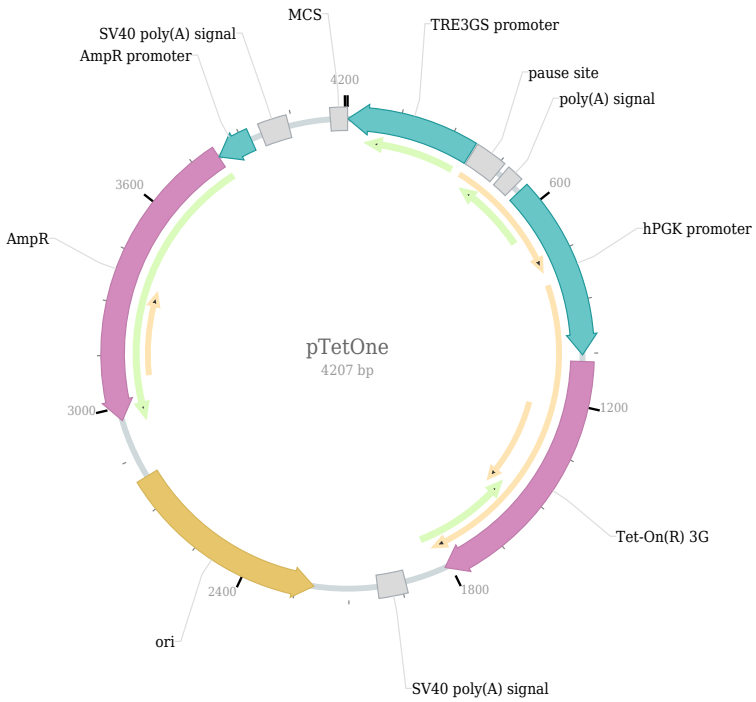
pTetOne

Vector ID	V011067
Antibiotic Resistance	Ampicillin
Length	4207 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	Clontech
Copy Number	High copy number
Promoter	hPGK
Growth Strain(s)	DH10B
Comment	This is a 4207 bp vector, pTetOne, designed for doxycycline-inducible gene expression. It features the Tet-On(R) 3G regulatory system, where a minimal promoter (hPGK) drives expression of the target gene cloned into the MCS upon induction. The construct also includes a TRE3GS promoter for constitutive high-level background expression. For antibiotic selection and propagation, it contains the AmpR gene with its promoter and SV40 poly(A) signals.

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 ℃.