

Location of features

- PtightTet-responsive promoter: -70-318
 - Tet response element (TREmod): 3-252
 - Location of seven *tetO* 19-mers: 12-30; 48-66; 83-101; 119-137; 155-173; 190-208 & 226-244
 - Fragment containing P_{minCMV-1}: 258-317
 - TATAA box-1: 280-286
 - Fragment containing P_{minCMV-2}: 3533-3464
 - TATAA box-2: 3502-3496
- Multiple cloning site 1(MCS): 335-405
- Fragment containing SV40 polyA signal-1: 417-617
- AcGFP1 gene: 3453-2734; start codon: 3453-3450; stop codon: 2736-2734
- Fragment containing SV40 polyA signal-2: 2725-2528
- Fragment containing Col E1 origin of replication: 780-1379
- Ampicillin resistance gene (β -lactamase): 2536-1540

Sequencing primer locations

pTRE-Tight Sequencing Primer:

Reverse primer (683-660): 5'-TAT TAC CGC CTT TGA GTG AGC TGA-3'

Propagation in *E. coli*

- Suitable host strains: DH5 α TM and other general purpose strains.
- Selectable marker: plasmid confers resistance to ampicillin (100 μ g/ml) in *E. coli* hosts.
- *E. coli* replication origin: Col E1

References

1. HT1080 Cell Line & pTRE2 Vector (January 1999) *Clontechniques* **XIV**(1):23.
2. Gossen, M. & Bujard, H. (1992) *Proc. Natl. Acad. Sci USA* **89**(12):5547-5551.
3. Gossen, M. *et al.* (1995) *Science* **268**(5218):1766-1769.
4. pTREtight vectors (April 2003) *Clontechniques* **XVIII** (2):10-11.
5. Kozak, M. (1987) *Nucleic Acids Res.* **15**(20):8125-8148.
6. Linear selection markers (April 2003) *Clontechniques* **XVIII**(2):11:
7. Resnitzky, D. *et al.* (1994) *Mol. Cell. Biol.* **14**:1669-1679.

Note: The vector sequence was compiled from information in the sequence databases, published literature, and other sources, together with partial sequences obtained by Clontech. This vector has not been completely sequenced.

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AcGFP is covered by U.S. Patent No. 7,432,053.

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