

pTRE3G

Catalog No.

631173 (Not sold separately)

Sold as part of 631167, 631168 & 631169

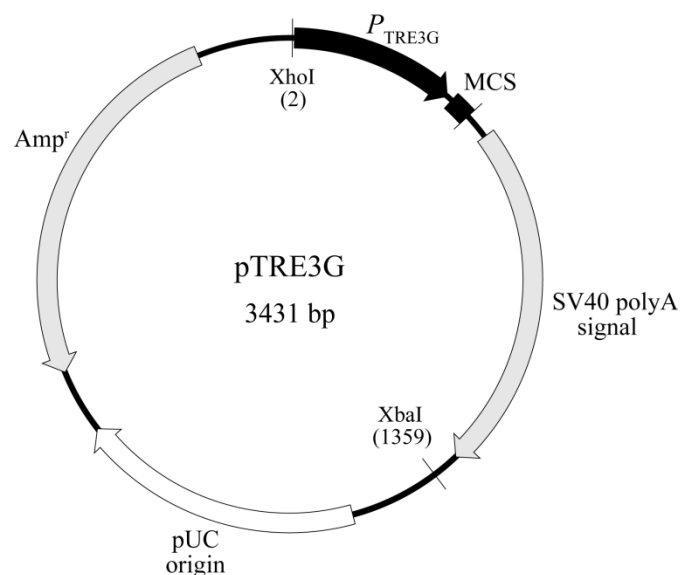


Figure 1. pTRE3G vector map.

	<u>SalI</u>	<u>ApaI</u>	<u>BglII</u>	<u>ClaI*</u>	<u>EagI</u>	<u>EcoRV</u>	<u>MluI</u>	<u>NdeI</u>	<u>NheI</u>
381	AAGTCGACAC	CGGGGCCCCAG	ATCTATCGAT	CGGCCGGATA	TCACGCGTCA	TATGGCTAGC			
	TTGAGCTGTG	GCCCCGGGTC	TAGATAGCTA	GCCGGCCTAT	AGTGCGCAGT	ATACCGATCG			
	<u>PstI</u>								
	<u>BamHI</u>								
441	CTGCAGGGAT	CCAATGTAAC							
	GACGTCCCTA	GTTTACATTG							

Figure 2. pTRE3G multiple cloning site.

*The ClaI restriction site is blocked by dam methylation as a result of overlapping with the dam methylase site. Therefore, if you want to perform a restriction with ClaI, you have to propagate the pTRE3G-IRES vector in a dam⁻ bacterial strain such as Clontech's Stellar Competent Cells (dam⁻/dcm⁻) Cat. No. 636764.

Clontech Laboratories, Inc.

A Takara Bio Company
1290 Terra Bella Avenue, Mountain View, CA 94043, USA
U.S. Technical Support: tech@clontech.com

United States/Canada 800.662.2566 (042814)	Asia Pacific +1.650.919.7300	Europe +33.(0)1.3904.6880	Japan +81.(0)77.543.6116
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Vector Map

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Location of Features

- P_{TRE3G} (3rd generation Tet-responsive promoter): 7–382
- MCS (multiple cloning site): 383–452
- SV40 polyA signal: 507–1304
- pUC origin of replication: 1569–2212
- Amp^r (ampicillin resistance gene; β -lactamase): 2360–3220 (complementary)

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This document has been reviewed and approved by the Clontech Quality Assurance Department.