

## pTRE3G-IRES

### Catalog No(s).

631161 & 631174 (Not sold separately).  
Sold as part of 631166 & 631170

### Amount

20 µl pTRE3G-IRES Vector (500 ng/µl)

### Lot Number

Specified on product label.

### pTRE3G-IRES Vector Information

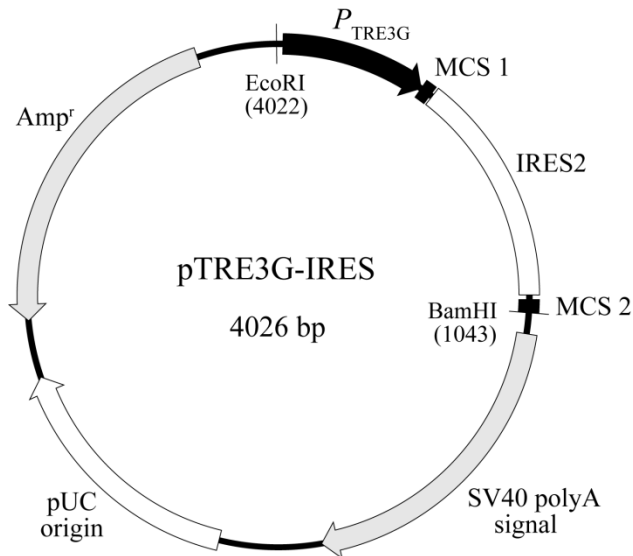


Figure 1. pTRE3G-IRES vector map.

### MCS 1

	<u>SalI</u>	<u>BglII</u>	<u>ClaI*</u>	<u>EagI</u>
381	AAGTCGACAC	CGGGGCCAG	ATCTATCGAT	CGGCCGGCCC
	TTCAGCTGTG	GCCCCGGGTC	TAGATAGCTA	GCCGGCCGGG

### MCS 2

	<u>End of IRES2</u>	<u>EcoRV</u>	<u>MluI</u>	<u>NdeI</u>	<u>NheI</u>	<u>PstI</u>	<u>BamHI</u>
994	<b>ATG</b> GCC ACA ACC GGG CCG	GAT ATC	ACG CGT	CAT ATG	GCT AGC	CTG CAG	GGA TCC
	TAC CGG TGT TGG CCC GGC	CTA TAG	TGC GCA	GTA TAC	CGA TCG	GAC GTC	CCT AGG

Figure 2. pTRE3G-IRES multiple cloning site.

#### Clontech Laboratories, Inc.

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\*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.

## Location of Features

- $P_{\text{TRE3G}}$  (3<sup>rd</sup> generation Tet-responsive promoter): 7–382
- MCS 1 (multiple cloning site 1): 383–416
- IRES2 (encephalomyocarditis virus internal ribosome entry site): 417–999
- MCS 2 (multiple cloning site 2): 1012–1047
- SV40 polyA signal: 1102–1899
- pUC origin of replication: 2164–2807
- Amp<sup>r</sup> (ampicillin resistance gene;  $\beta$ -lactamase): 2955–3815 (complementary)

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