# Vector Map



## pEF1α-IRES-DsRed-Express2

Catalog No(s). Amount Lot Number 631980 20  $\mu$ l pEF1 $\alpha$ -IRES-DsRed-Express2 vector (500 ng/ $\mu$ l)

Specified on product label.

### pEF1α-IRES-DsRed-Express2 Vector Information





NheI AfeI 1341 TCGTGACGCT AGCGCTACCG GACTCAGATC TCGAGCTCAA AGCACTGCGA TCGCGATGGC CTGAGTCTAG AGCTCGAGTT Smal Sall XmaI EcoRI BamHI AccI 1381 GCTTCGAATT CTGCAGTCGA CGGTACCGCG GGCCCGGGAT CCGCC CGAAGCTTAA GACGTCAGCT GCCATGGCGC CCGGGCCCTA GGCGG



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#### **Location of Features**

- $P_{\text{EF1}\alpha}$  (human elongation factor 1 alpha promoter): 12–1346
- MCS (multiple cloning site): 1348–1422
- IRES2 (internal ribosome entry site): 1423–2007
- DsRed-Express2: 2011–2685
- SV40 early polyA signal: 2841–2891
- f1 origin of replication: 2938–3393 (complementary)
- SV40 origin of replication: 3734–3869
- $P_{SV40e}$  (SV40 early promoter and enhancer sequences): 3567–3835
- Kan<sup>r</sup>/Neo<sup>r</sup> (kanamycin/neomycin resistance gene): 3918–4712
- HSV TK polyA signals: 4948–4966
- pUC origin of replication: 5297–5940

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