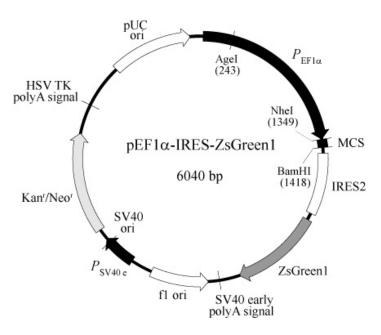
## Vector Map

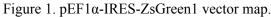


### pEF1α-IRES-ZsGreen1

Catalog No(s).	Amount	Lot Number
631976	20 μl pEF1α-IRES-ZsGreen1Vector (500 ng/μl)	Specified on product label.

### pEF1α-IRES-ZsGreen1 Vector Information





 Nhel
 Afel
 EcoRI

 1341
 TCGTGACGCT
 AGCGCTACCG
 GACTCAGATC
 TCGAGCTCAA
 GCTTCGAATT
 CTGCAGTCGA

 AGCACTGCGA
 TCGCGATGGC
 CTGAGTCTAG
 AGCTCGAGTT
 CGAAGCTTAA
 GACGTCAGCT

 I401
 CGGTACCGCG
 GGCCCGGGAT
 CCGCCCTCT
 GCCATGGCGC
 CCGGGCCCTA
 GCCGGGGAGA



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# Vector Map

pEF1a-IRES-ZsGreen1

#### **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
- ZsGreen1 (human-codon-optimized): 1999–2703
- SV40 early polyA signal: 2859–2909
- f1 origin of replication: 2956–3411 (complementary)
- SV40 origin of replication: 3752–3887
- $P_{SV40e}$  (SV40 early promoter and enhancer sequences): 3585–3853
- Kan<sup>r</sup>/Neo<sup>r</sup> (kanamycin/neomycin resistance gene): 3936–4730
- HSV TK polyA signals: 4966–4984
- pUC origin of replication: 5315–5958

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