

pEF1α-DsRed-Monomer-C1

Catalog No(s). Amount Lot Number

631977 20 μl pEF1α-DsRed-Monomer-C1 vector (500 ng/μl) Specified on product label.

pEF1α-DsRed-Monomer-C1 Vector Information

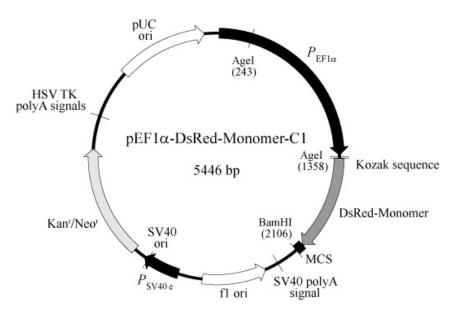


Figure 1. pEF1α-DsRed-Monomer-C1vector map.

		End of			-									F D		
	DsRed-Monomer			Bs	pEI						1	IindIII		EcoR	I	
2036	GGC	TCC	CAG	TCC	GGA	CTC	AGA	TCT	CGA	GCT	CAA	GCT	TCG	AAT	TCT	GCA

	BamHI											
	SalI	Acc65I	XmaI									
	AccI	KpnI	SmaI					Stop		Stop		
2084	GTC GAC	GGT ACC	GCG GGC CCG	GGA TCC	ACC	GGA	TCT	AGA	TAA	CTG	ATC	

Figure 2. pEF1α-DsRed-Monomer-C1 multiple cloning site.

Clontech Laboratories, Inc.

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Location of Features

- $P_{\text{EF1}\alpha}$ (human elongation factor 1 alpha promoter): 12–1346
- Kozak consensus sequence: 1363–1373
- DsRed-Monomer (human-codon-optimized): 1370–2044
- MCS (multiple cloning site): 2045–2110
- SV40 polyA signal: 2265–2299
- f1 origin of replication: 2362–2817 (complementary)
- $P_{\text{SV40 e}}$ (SV40 early promoter and enhancer sequences): 2991–3259
- SV40 origin of replication: 3158–3296
- Kan^r/Neo^r (kanamycin/neomycin resistance gene): 3342–4136
- HSV TK polyA signals: 4372–4390
- pUC origin of replication: 4721–5364

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