

## pEF1α-DsRed-Monomer-N1

Catalog No(s). Amount Lot Number

631978 20 μl pEF1α-DsRed-Monomer-N1vector (500 ng/μl) Specified on product label.

## pEF1α-DsRed-Monomer-N1 Vector Information

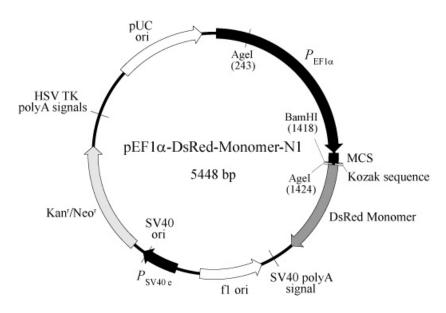


Figure 1. pEF1α-DsRed-Monomer-N1vector map.

 $\frac{\text{NheI}}{\text{1346}} \quad \text{ACG} \quad \text{CTA} \quad \text{GCG} \quad \text{CTA} \quad \text{CCG} \quad \text{GAC} \quad \text{TCA} \quad \text{GAT} \quad \text{CTC} \quad \text{GAG} \quad \text{CTC} \quad \text{AAG} \quad \text{CTT} \quad \text{CGA} \quad \text{ATT} \quad \text{CTG}$ 

		BamHI																
	(I)	AccI		KpnI		XmaI									9	Start of	f	
	190	SalI		Acc65I		SmaI									DsRed-Monomer			
1394	CAG	TCG	ACG	GTA	CCG	CGG	GCC	CGG	GAT	CCA	CCG	GTC	GCC	ACC	ATG	GAC	AAC	

Figure 2. pEF1α-DsRed-Monomer-N1 multiple cloning site.

A Takara Bio Company

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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
- Kozak consensus sequence: 1429–1439
- DsRed-Monomer (human-codon-optimized): 1436–2110
- SV40 polyA signal: 2267–2301
- f1 origin of replication: 2364–2819 (complementary)
- $P_{\text{SV40 e}}$  (SV40 early promoter and enhancer sequences): 2993–3261
- SV40 origin of replication: 3160–3295
- Kan<sup>r</sup>/Neo<sup>r</sup> (kanamycin/neomycin resistance gene): 3344–4138
- HSV TK polyA signals: 4374–4392
- pUC origin of replication: 4723–5366

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