



**Location of features:**

- $P_{CMVIE}$  promoter: 232–820
- Cloning site for Mammalian Expression cDNA Libraries (Sfi IA and Sfi IB): 952–1172
- Internal ribosome entry site (IRES) of the encephalomyocarditis virus (ECMV): 1220–1820
- Puromycin resistance gene: 1839–2438
- Fragment containing the bovine growth hormone poly-A signal: 2555–2832
- Ampicillin resistance gene: 4951–4091
- pBR322 origin of replication: 3247–3921

**Primer locations:**

- pEXP-Lib Primers
  - 5' primer (848–876): 5'-CTGGCTTATCGAAATTAATACGACTCACT-3'
  - 3' primer (1212–1185): 5'-TTGGCCGCCCTAGATGCATGCTCGACCC-3'

**Propagation in *E. coli*:**

- Suitable host strains: DH5 $\alpha$ , and other general purpose strains.
- Selectable marker: plasmid confers resistance to ampicillin (50  $\mu$ g/ml) to *E. coli* hosts.

**References:**

1. Jackson, R.J., *et al.* (1990) *Trends Biochem. Sci.* 15:477–483.
2. Jang, S.K., *et al.* (1988) *J. Virol.* 62:2636–2643.

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