

List of features (continued)

- pUC plasmid origin of replication: 5357–6000
- Ampicillin resistance (β -lactamase) gene
 - Promoter: –35 region: 7078–7073; –10 region: 7055–7050
 - Transcription start point: 7043
 - Ribosome binding site: 7020–7016
 - β -lactamase coding sequences: start codon (ATG): 7008–7006; stop codon: 6150–6148
 - β -lactamase signal peptide: 7008–6940; β -lactamase mature protein: 6939–6151
- f1 single-strand DNA origin (packages the coding strand of the *lacZ* gene): 7140–7595
- SV40 early mRNA polyadenylation signals: 7816–7821 & 7845–7850

Propagation in *E. coli*

- Suitable host strains: DH5 α and other general purpose strains. Single-stranded DNA production requires a host containing an F' episome such as JM109.
- Selectable marker: plasmid confers resistance to ampicillin (100 μ g/ml) to *E. coli* hosts.
- *E. coli* replication origin: pUC
- Copy number: ~500
- Plasmid incompatibility group: pMB1/Col E1

Reference

1. MacGregor, G. R., *et al.* (1987) *Somat. Cell Mol. Genet.* **13**: 253–265.

Note: The attached sequence file has been compiled from information in the sequence databases, published literature, and other sources, together with partial sequences obtained by Clontech. This vector has not been completely sequenced.

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