



## **INTRODUCTION**

pACYC177 is an E. coli plasmid cloning vector containing the p15A origin of replication (1-4). This allows pACYC177 to coexist in cells with plasmids of the ColE1 compatibility group (e.g., pBR322, pUC19). It is a low copy number vector, at about 15 copies per cell (5), but can be amplified with chloramphenicol or spectinomycin.

Enzymes with unique restriction sites are shown in bold type and enzymes with two restriction sites are shown in regular type. Location of sites of all NEB restriction enzymes can be found on the NEB web site (choose Technical Reference > DNA Sequences and Maps). Restriction site coordinates refer to the position of the 5'-most base on the top strand in each recognition sequence.

## **NCBI DATABASE**

LOCUS pACYC177 3941 bp DNA SYN

DEFINITION pACYC177

ACCESSION

KEYWORDS

SOURCE

ORGANISM other sequences; artificial sequences; vectors.

FEATURES Location/Qualifiers

source 1..3941

/organism="pACYC177"

/mol\_type="other DNA"

gene 10..618

/label="Ampicillin (252 - 860)"

/gene="Ampicillin (252 - 860)"

CDS 100..618

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IAEIGASLIKHW\*"

rep\_origin complement(767..1595)

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gene 1923..2738

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/gene="KanR2"

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