

Certificate of Analysis

pAd329

Research use only

Catalog No: OP-02

Lot No: 0710

Contents:

pAd329 plasmid DNA, *SfiI*-digested, 10 reactions (20 µL, 0.25 µg/µL in TE pH 7.5)

Storage: -20°C

Features and Applications:

pAd329 is a 41.7 kb plasmid that contains the sequences encompassing bp 466-right end (1.3–100 mu) of the Ad5 genome. The two *SfiI* sites naturally present in WT Ad5 DNA were mutated by substituting A for G and C at positions 16291 and 16294 in the Ad5

genome, and C and G for respectively G and C at positions 23001 and 23004 in the Ad5 genome, introducing silent mutations in the adenovirus pVII and DNA-binding protein coding sequences. A pair of *SfiI* sites that allow for directional cloning replaces the E1 promoter. The E3 region is intact. The right ITR is flanked by *PacI* and *SwaI* sites. pAd329 is used in combination with the shuttle vector pE1.1 to construct conditionally replicative adenoviruses (CrAds) containing a heterologous promoter in front of the E1a TATA box. The maximum capacity for insertion is 2.1 kb.

The most efficient method to insert heterologous promoters in front of the E1a region of pAd329 is via DNA packaging into λ phage particles, and subsequent *E. coli* infection. Please download the manual for detailed instructions (<http://www.od260.com/resources.manuals.php>).

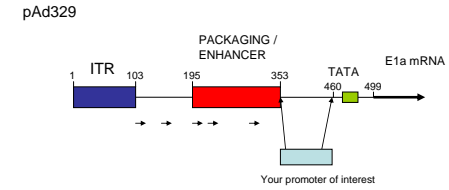
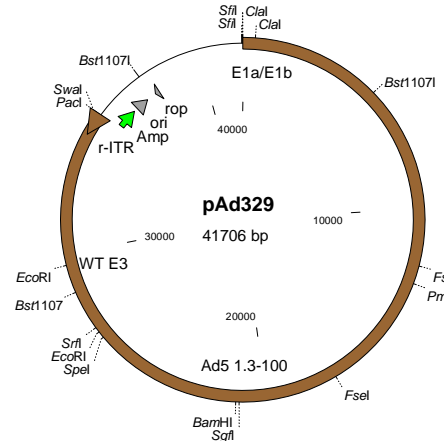
Selection:

prokaryotic – ampicillin 50 µg/mL

Replication:

prokaryotic – pBR322 ori

Map:



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