O.D.260 Inc.

Certificate of Analysis

pAd330

Research use only

Catalog No: OP-03
Lot No: 0710

Contents:
pAd330 plasmid DNA, *Sfi*I-digested, 10 reactions (20 μL, 0.25 μg/μL in TE pH 7.5)

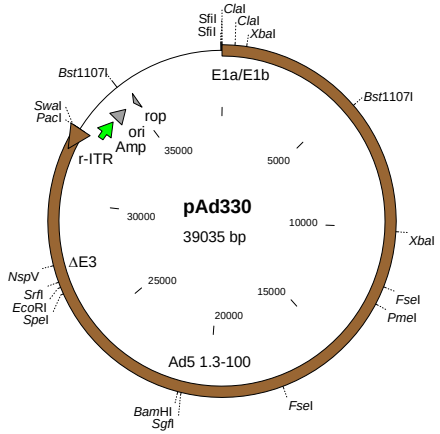
Storage: -20°C

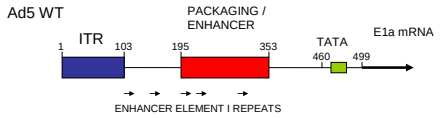
Features and Applications:
pAd330 is a 39 kb plasmid that contains the sequences encompassing bp 466-right end (1.3–100 mu) of the Ad5 genome, with a 2.7 kb deletion in the E3 region. The two *Sfi*I sites naturally present in WT Ad5 DNA were mutated by substituting A for G and C at positions 16291 and 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 *Sfi*I sites that allow for directional cloning replaces the E1 promoter. The right ITR is flanked by *Pac*I and *Swa*I sites. pAd330 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 4.8 kb.

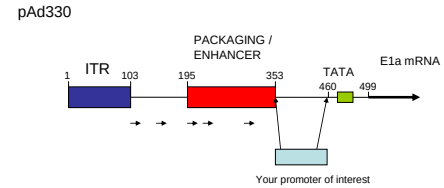
The most efficient method to insert heterologous promoters in front of the E1a region of pAd329 is via DNA packaging into λ phage particles, and subsequent *E. coli* infection. Please download the manual for detailed instructions (http://www.od260.com/resources.manuals.php).

Selection:
prokaryotic – ampicillin 50 μg/mL
Replication:
prokaryotic – pBR322 ori

Map:







O.D.260 Inc.
PO Box 534, Boise, ID 83701
Ph. (208)345-7369 - FAX (208)345-7569
E-mail info@od260.com
www.od260.com