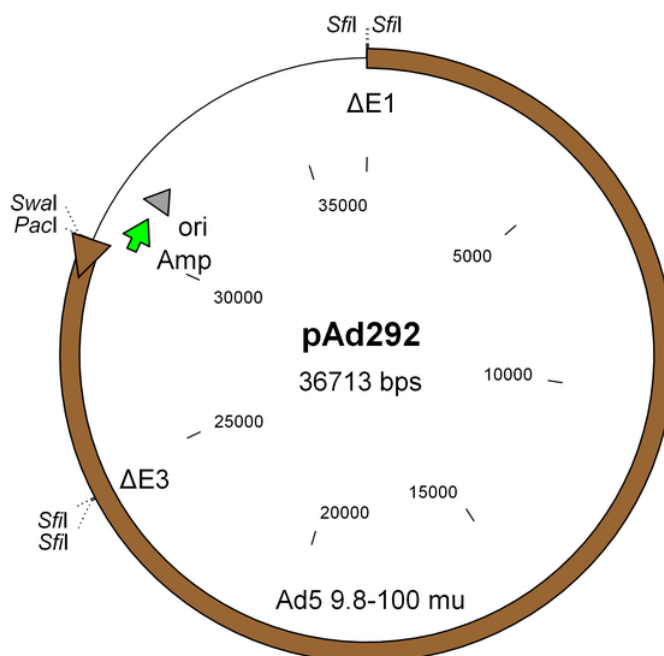


pAd291

pAd291 (formerly known as AdenoQuick1.2) is a 36.6 kb plasmid that contains the sequences encompassing bp 3504-right end (9.8–100 mu) of the Ad5 genome, with a 2.7 kb E3 deletion. 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. Two *SfiI* sites that allow for directional cloning replace the E1 region. The right ITR is flanked by *PacI* and *SwaI* sites. pAd291 is used in combination with shuttle plasmid pE1.1 and derivatives to construct replication-deficient adenoviruses containing transgenes in place of the E1 region. The maximum transgene capacity is 7.6 kb.



Info Sheet

Sequence

Annotations

[Product Information_pAd291.pdf](#)
(142.4 KB)

[pAd291.txt](#) (47.8 KB)

[pAd291.gb](#) (52.4 KB)