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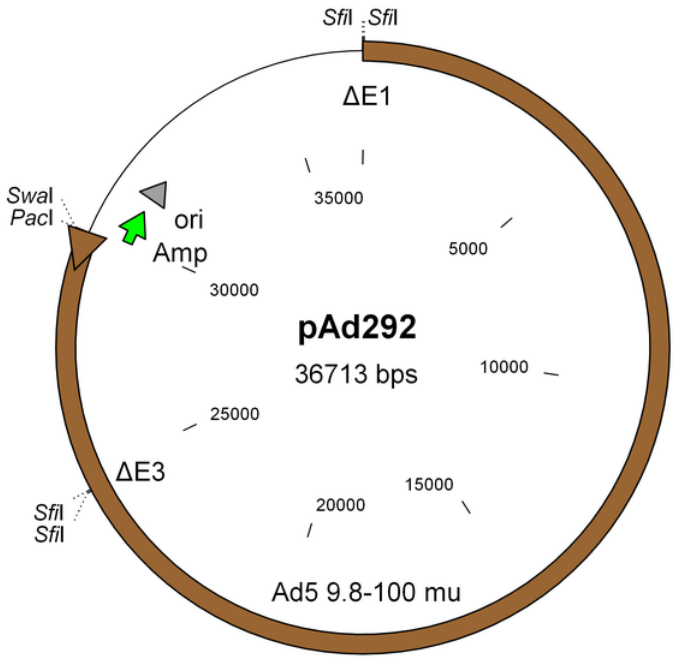
pAd292

pAd292 (formerly known as AdenoQuick13.1 DNA) is a 36.7 kb plasmid that contains the sequences encompassing bp 3504-right end (9.8–100 mu) of the Ad5 genome. 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. Two pairs of *Sfi*I sites that allow for directional cloning replace the E1 and E3 regions. The size of the E3 region deletion is 2.7 kb. The right ITR is flanked by *Pac*I and *Swa*I sites. pAd292 is used in combination with the shuttle vectors pE1.2 and pE3.1 to construct bipartite replication-deficient adenoviruses containing transgenes in place of the E1 and E3 regions. The maximum combined transgene capacity is 7.5 kb.



Info Sheet	Sequence
Product_Information_pAd292.pdf (142.7 KB)	pAd292.txt (47.8 KB)