

## AdenoQuick1.2

36,661 base pairs  
 Sequence available at [virus@od260.com](mailto:virus@od260.com)

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. The two <i>SfiI</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 <i>SfiI</i> sites that allow for directional cloning replace the E1 region. The E3 region is deleted (2.7 kb). The right ITR is flanked by <i>PacI</i> and <i>SwaI</i> sites. AdenoQuick1.2 is used in combination with the shuttle vectors pE1.1, pE1.11 or pE1.12 to construct replication-deficient adenoviruses containing transgenes in place of the E1 region. The maximum transgene capacity is 7.9 kb	Feature	Coordinates	Source
	9.8-100 mu	43-29,803	Ad5
	Right ITR	29,701-29,803	Ad5
	origin of replication	30,985-31,573	pUC19
	Amp <sup>r</sup>	29,954-30,814	<i>Tn3</i>

