

Product Information

pAd1127-05

Research use only

Catalog No: QP-23**Lot No:** 1002**Contents:**

pAd1127-05 plasmid DNA, 20 µg,
1 µg/µL in TE pH 7.5

Storage: -20°C**Features and Applications:**

pAd1127-05 is a derivative of pAd1127-02, wherein a SV40 polyA signal was inserted between the *SpeI* and *KpnI* sites. This vector was designed for inserting expression cassettes (promoter-coding region- SV40 polyA signal) in place of the E1 region of the

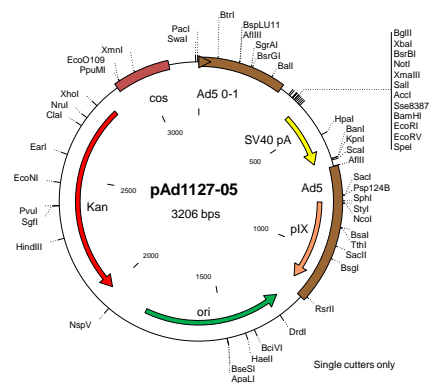
Ad5 genome. The plasmid can also be used to manipulate the pIX coding region. It contains *PacI* and *SwaI* sites flanking the first 353 base pairs from the Ad5 genome (including the left ITR and packaging signal), a multiple cloning site, and the pIX coding region. The sequences encompassing the kanamycin-resistance gene, the λ cos site, the adenovirus 0-1 map units, the multiple cloning site and the pIX coding sequence are flanked by two *SfiI* restriction sites. These sites generate non-symmetrical sticky ends suitable for directional cloning with the other AdenoQuick2.0 plasmids (pAd1128, pAd1129, pAd1130, and their derivatives). Because of the size of the E1 deletion (354-3510), the vectors generated from pAd1127-05 have minimal or no homology with the Ad5 sequences inserted in the chromosome of the helper cells such as PER-C6, thereby minimizing the probability of RCA generation.

Selection:

prokaryotic – kanamycin 25 µg/mL

Replication:

prokaryotic – pUC ori



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