

Product Information pAd1127-02

Research use only

Catalog No: QP-06 Lot No: 1002

Contents:

pAd1127-02 plasmid DNA, 20 μ g, 1 μ g/ μ L in TE pH 7.5

Storage: -20°C

Features and Applications:

pAd1127-02 is a vector designed for inserting expression cassettes in place of the E1 region of the Ad5 genome. The plasmid can also be used to manipulate the pIX coding region. It contains *Pac*I and *Swa*I sites flanking the first 353 base pairs from the Ad5

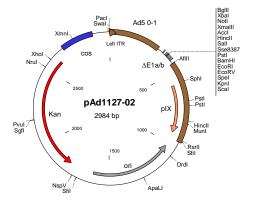
genome (including the left ITR and packaging signal), a multiple cloning site, and the pIX coding region. Expression cassettes inserted into the multiple cloning site should contain a promoter, coding sequence and a polyA signal. The sequences encompassing the kanamycin-resistance gene, the λ cos site, the adenovirus 0-1 map units, the multiple cloning site and the pIX coding sequence are flanked by two Sfil 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 pAd1127-02 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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