O.D.260 Inc.

Product Information

pAd1127-01

Research use only

Catalog No: QP-05
Lot No: 1002

Contents:
pAd1127-01 plasmid DNA, 20 μg,
1 μg/μL in TE pH 7.5

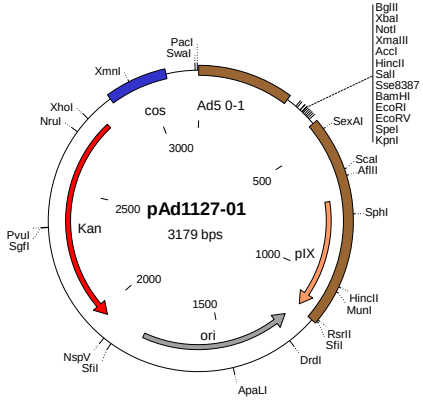
Storage: -20°C

Features and Applications:

pAd1127-01 is a vector designed for inserting expression cassettes in place of the E1 region of the Ad5 genome. The E1 deletion (psn 354-3329 in Ad5) is the same as in plasmid pAd-BglII, which is used in DNA recombination methods for generating adenovirus vectors. pAd1127-01 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 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, the vectors generated from pAd1127-01 share some homology with the Ad5 sequences inserted in the chromosome of helper cells such as PER-C6 or 293, thereby increasing the probability of RCA generation compared to pAd1127-02. However the pIX promoter is intact.

Selection:
prokaryotic – kanamycin 25 μg/mL

Replication:
prokaryotic – pUC ori



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