O.D.260 Inc.

# Product Information

# pAd1127-07

Research use only

**Catalog No**: QP-25
**Lot No**: 1002

**Contents**:
pAd1127-07 plasmid DNA, 20 μg,
1 μg/μL in TE pH 7.5

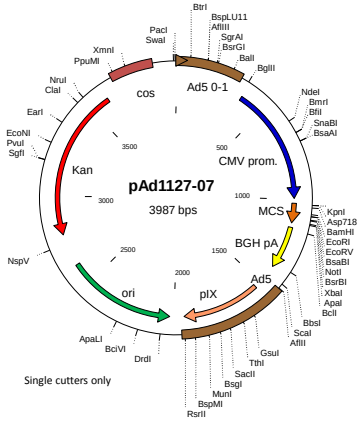
**Storage**: -20°C

**Features and Applications**:

pAd1127-07 is a plasmid designed for constructing adenovirus vectors expressing transgenes under the control of a CMV promoter located in place of the E1 region of the Ad5 genome. It is a derivative of pAd1127-02, in which a cassette containing a CMV promoter- MCS- bovine growth hormone (bGH) polyA signal was inserted between the *Xba*I and *Acc*65I sites in clockwise orientation, i.e. towards the right end of the adenovirus genome. pAd1127-07 contains *Pac*I and *Swa*I sites flanking the first 350 base pairs from the Ad5 genome (including the left ITR and packaging signal). The sequences encompassing the kanamycin-resistance gene, the λ cos site, the adenovirus 0-1 map units, the CMV expression cassette and the pIX coding sequence are flanked by two *Sfi*I 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 pAd1127-07 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. pAd1127-07 can also be used to manipulate the pIX promoter and coding region.

**Selection**:
*prokaryotic* – kanamycin 25 μg/mL

**Replication**:
*prokaryotic* – pUC ori

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