

Product Information**pAd1127-09**

Research use only

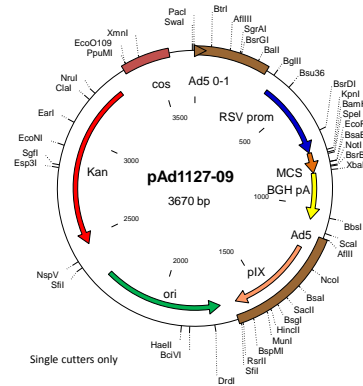
Catalog No: QP-27**Lot No:** 1002**Contents:**pAd1127-09 plasmid DNA, 20 µg,
1 µg/µL in TE pH 7.5**Storage:** -20°C**Features and Applications:**

pAd1127-09 is a plasmid designed for constructing adenovirus vectors expressing transgenes under the control of a RSV 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

RSV 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. pAd1127-09 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 RSV 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 pAd1127-09 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. pAd1127-09 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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