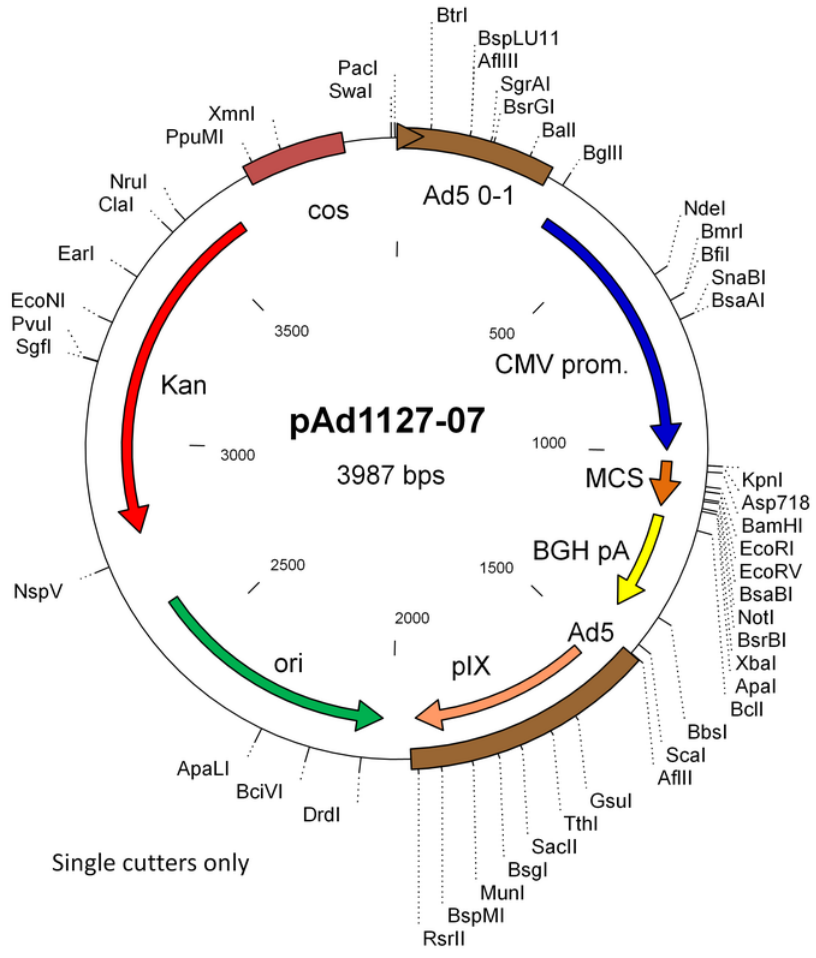
O.D.260 Inc
BETTER TOOLS, BETTER SCIENCE

# pAd1127-07

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 ? 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.




| Polylinker | Info Sheet | Sequence | Annotations |
|---|---|---|---|
| pAd1127-07_MCS.png (344.9 KB) | Product_Informa...d1127-07.pdf (230.4 KB) | pAd1127-07.TXT (4.0 KB) | pAd1127-07.gb (8.2 KB) |