

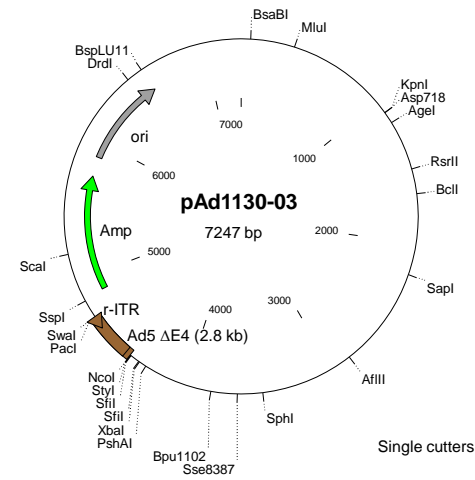
**Product Information****pAd1130-03**

Research use only

**Catalog No:** QP-16**Lot No:** 1004**Contents:**pAd1130-03 plasmid DNA, 22 µL,  
0.9 µg/µL in TE pH 7.5**Storage:** -20°C**Features and Applications:**

pAd1130-03 is a plasmid designed for constructing recombinant adenovirus vectors, in combination with the AdenoQuick2.0 plasmids (pAd1127, pAd1128, pAd1129, and their derivatives). It is based on pAd1130 in which a 2.8 kb BsgI-MfeI fragment

containing almost the entire E4 region was deleted (Krougliak & Graham, 1995. Hum Gene Ther.6(12):1575-86). Adenovirus vectors carrying that deletion must be generated and amplified in a complementing 293-E4 cell line. pAd1130-03 includes the right ITR and a short ~200 bp-long fragment of the E4 region. The right ITR is flanked with PacI and SwaI sites. The E4 region is terminated with two SfiI sites, which generate non-symmetrical sticky ends suitable for directional cloning. The plasmid contains a 5 kb stuffer made from scrambled phage λ DNA. This stuffer increases the size of the ligation product of pAd1127, pAd1128, pAd1129, and pAd1130 in order to facilitate DNA packaging into phage λ.

**Selection:***prokaryotic* – ampicillin 50 µg/mL**Replication:***prokaryotic* – pUC ori

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