O.D.260 Inc.

# Product Information

# pAd1130-01

Research use only

**Catalog No**: QP-14
**Lot No**: 1002

**Contents**:
pAd1130-01 plasmid DNA, 20 μg,
1 μg/μL in TE pH 7.5

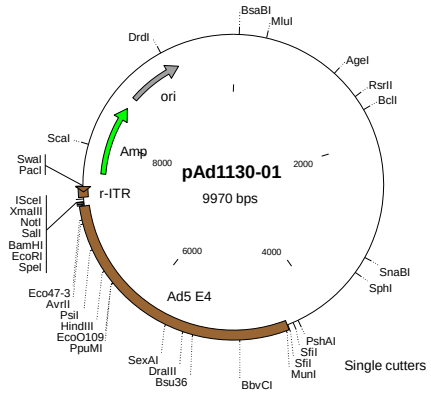
**Storage**: -20°C

**Features and Applications**:

pAd1130-01 is a plasmid designed for constructing recombinant adenovirus vectors, in combination with the AdenoQuick2.0 plasmids (pAd1127, pAd1128, pAd1129, and their derivatives). It is a derived from pAd1130, in which the E4 promoter (psn 35645-35832 in the Ad5 genome) is deleted and replaced with a multiple cloning site. The E4 TATA box is still present. The plasmid can be used to construct oncolytic adenoviruses containing heterologous promoter (w/o their own TATA box) driving the expression of the E4 genes. It can also be used to construct helper viruses with E4 region modifications. The right ITR is flanked with *Pac*I and *Swa*I sites. The E4 region is terminated with two *Sfi*I 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 so that it can be packaged efficiently into phage λ.

**Selection**:
*prokaryotic* – ampicillin 50 μg/mL

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

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