O.D.260 Inc.

Product Information

pAd1127-04

Research use only

Catalog No: QP-08
Lot No: 1002

Contents:
pAd1127-04 plasmid DNA, 20 μg,
1 μg/μL in TE pH 7.5

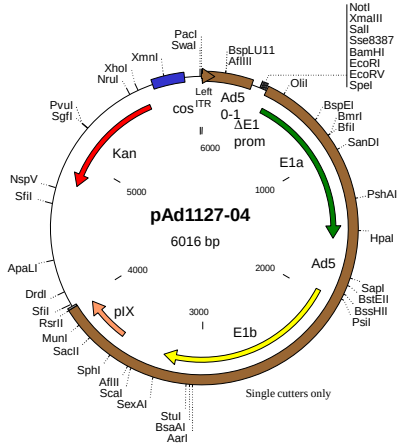
Storage: -20°C

Features and Applications:

pAd1127-04 is a vector designed for constructing Ad5-based oncolytic vectors (CrAds), with heterologous promoters driving the expression of the E1a gene. It is a derivative of pAd1127 in which the sequence located between the packaging signal and the E1a CAP site was replaced with a multiple cloning site. It contains PacI and SwaI sites flanking the first 353 base pairs from the Ad5 genome (including the left ITR and packaging signal), a multiple cloning site, and the E1a, E1b, and pIX coding regions. Transcriptional promoters inserted into the multiple cloning site should contain a TATA box since the E1a TATA box was deleted from the plasmid. The sequences encompassing the kanamycin-resistance gene, the λ cos site, the adenovirus 0-1 map units, the multiple cloning site and the E1a, E1b, and pIX coding sequence are flanked by two SfiI 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). This system is useful for constructing oncolytic vectors in a large variety of configurations, especially in the E1, pIX, E3, fiber, and E4 regions.

Selection:
prokaryotic – kanamycin 25 μg/mL

Replication:
prokaryotic – pUC ori



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