

**Product Information**

**pAd1129-06**

Research use only

**Catalog No:** QP-18

**Lot No:** 1005

**Contents:**

pAd1129-06 plasmid DNA, 20 µg,  
0.6 µg/µL in TE pH 7.5

**Storage:** -20°C

**Features and Applications:**

pAd1129-06 is a shuttle vector designed for constructing E3-deleted and bipartite (dicistronic) CD46-targeted recombinant adenovirus vectors. It contains the sequence encompassing psn 27885-32795 in the Ad5 genome including the E3 region and a hybrid

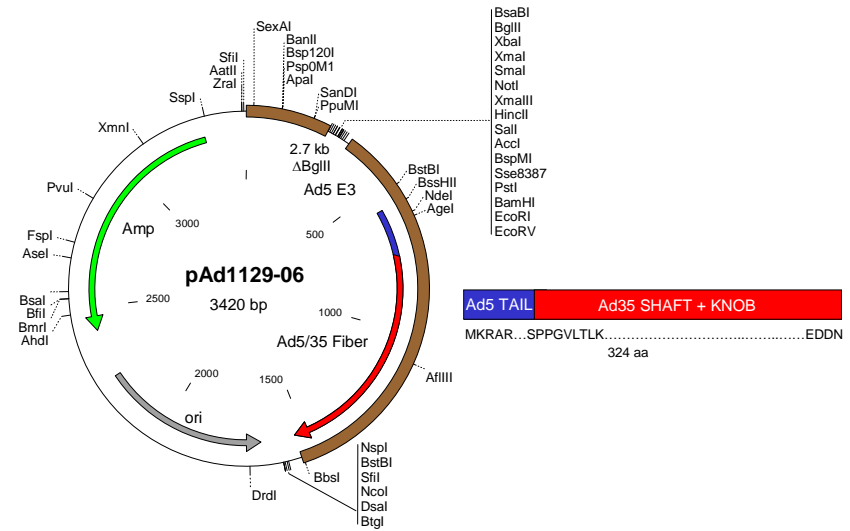
Ad5/35 fiber gene. Almost all E3 genes (2.7 kb BglIII fragment including gp19K membrane protein and the adenovirus “death” protein) were deleted, and replaced with a multiple cloning site. Expression cassettes inserted into the multiple cloning site should contain a promoter and poly(A) signal, but no intron or splice site. The fiber is a hybrid Ad5/Ad35. It contains the N-terminal tail of Ad5 fused to the shaft and knob of Ad35. The 9 nm-long shaft contains 6 β sheets (Shayakhmetov and Lieber, J. Virol. 74: 10274-86). The adenovirus sequences are flanked by two SfiI sites, which generate non-symmetrical sticky ends suitable for directional cloning with the other AdenoQuick2.0 plasmids (pAd1127, pAd1128, pAd1130, and their derivatives).

**Selection:**

*prokaryotic* – ampicillin 50 µg/mL

**Replication:**

*prokaryotic* – pUC ori



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