

Product Information**pE3.1**

Research use only

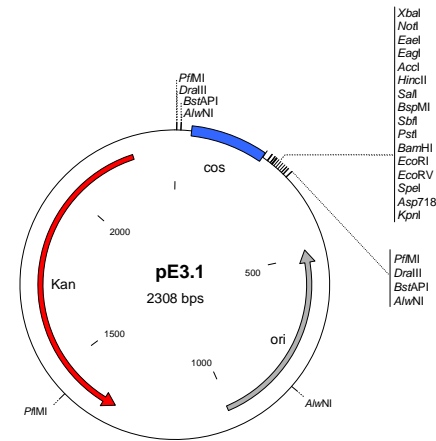
Catalog No: QP-03**Lot No:** 0101**Contents:**

pE3.1 plasmid DNA, 20 µg, 1 µg/µL

Storage: -20°C**Features and Applications:**

pE3.1 is a shuttle vector designed for inserting expression cassettes in place of the E3 region of the Ad5 genome, in combination with the pE1.2 and AdenoQuick13.1 plasmids. It contains a multiple cloning site (MCS) adjacent to a 178 bp-long λ cos site. Expression cassettes inserted into the MCS should

contain a promoter, coding sequence and a polyA signal. The sequences encompassing the cos site and the MCS are flanked by two sets of restriction sites *AlwNI*, *BstAPI*, *DraIII* and *PfI*MI which generate incompatible and non-symmetrical sticky ends. pE3.1 can also be used in combination with plasmids pAd328 and pE1.2 to construct conditionally replicative adenoviruses (CrAds) containing a heterologous promoter in front of the E1a TATA box, and a transgene in place of the E3 region.

Selection:*prokaryotic* – kanamycin 25 µg/mL**Replication:***prokaryotic* – pUC ori

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