

Product Information**pE3-CMV**

Research use only

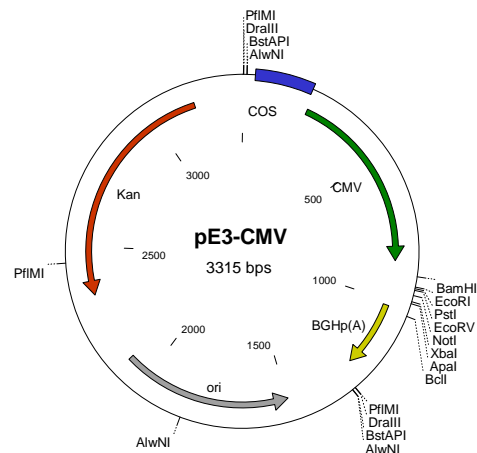
Catalog No: QP-17**Lot No:** 1001**Contents:**

pE3-CMV plasmid DNA, 10 µg, 0.8 µg/µL

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

pE3-CMV is a shuttle plasmid designed for inserting CMV-driven 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 CMV promoter - multiple cloning site (MCS) – bovine

growth hormone (bGH) poly(A) signal adjacent to a 178 bp-long λ cos site. The sequences encompassing the cos site and the CMV-bGHp(A) expression cassette are flanked by two sets of restriction sites *AlwNI*, *BstAPI*, *DraIII* and *PfI* which generate non-symmetrical sticky ends useful for directional cloning. pE3-CMV 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. It can be used also in combination with plasmids pAd363 and pE1.2 to construct Δ E1/E3/E4 vectors with maximum 8.7 kb cargo capacity.

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

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