O.D.260 Inc.

Product Information

pZAP2.2

Research use only

Catalog No: ZP-04
Lot No: 0101

Contents:
pZAP2.2 plasmid DNA, 20 μg,
0.5 μg/μL in TE pH 7.5

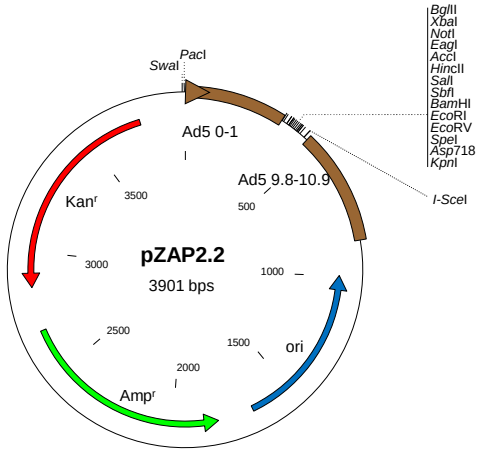
Storage: -20°C

Features and Applications:

pZAP1.2 (3901 bp) is a shuttle plasmid designed for inserting expression cassettes in place of the E1 region of the Ad5 genome with AdenoZAP2.0 system. In contrast to pZAP2.1 it can be used to generated adenovirus vectors either by *in vitro* DNA ligation followed by transfection into helper cells, or by DNA transfection and *in situ* recombination in 293 cells. It contains a multiple cloning site located between the first map unit (mu) of the Ad5 genome and a 400 bp-long Ad5 sequence corresponding to mu 9.8-10.9 (psn 3504-3907) in the Ad5 genome. Expression cassettes inserted into this site should contain a promoter-cDNA-polyA signal. In case the *in vitro* DNA ligation approach is used, the left arm DNA (which corresponds to the left ITR, packaging signal and expression cassette) can be excised from the vector with either *Pac*I or *Swa*I on the left side, and *I-Sce*I on the right side. In case the recombination in helper cells is used, the shuttle vector needs to be linearized using *Pac*I or *Swa*I only.

Selection:
prokaryotic – ampicillin 50 μg/mL or kanamycin 25 μg/mL

Replication:
prokaryotic – pUC ori



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