O.D.260 Inc.

Product Information

pZAP1.2

Research use only

Catalog No: ZP-03
Lot No: 1410

Contents:
pZAP1.2 plasmid DNA, 10 μg,
0.5 μg/μL in TE pH 7.5

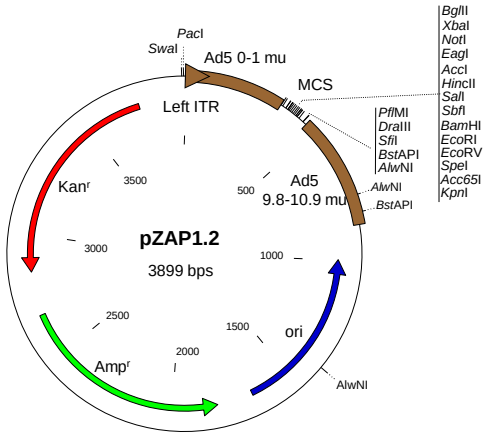
Storage: -20°C

Features and Applications:

pZAP1.2 (3899 bp) is a shuttle plasmid designed for inserting expression cassettes in place of the E1 region of the Ad5 genome, in combination with RightZAP1.1 (WT E3), RightZAP1.2 (ΔE3), RightZAP1.3 (ΔE3 + Ad5/35 fiber) and other vectors from the AdenoZAP1.0 cloning system. In contrast to pZAP1.1 it can be used either in the *in vitro* DNA ligation approach or in the approach based on DNA recombination in helper cells. It contains a multiple cloning site located between the first map unit (mu) of the Ad5 genome (psn 1-353) and a 400 bp-long 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. When 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 one side, and either *Pfl*MI, *Dra*III, *Sfi*I, *Bst*API or *Alw*NI on the other side. When 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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