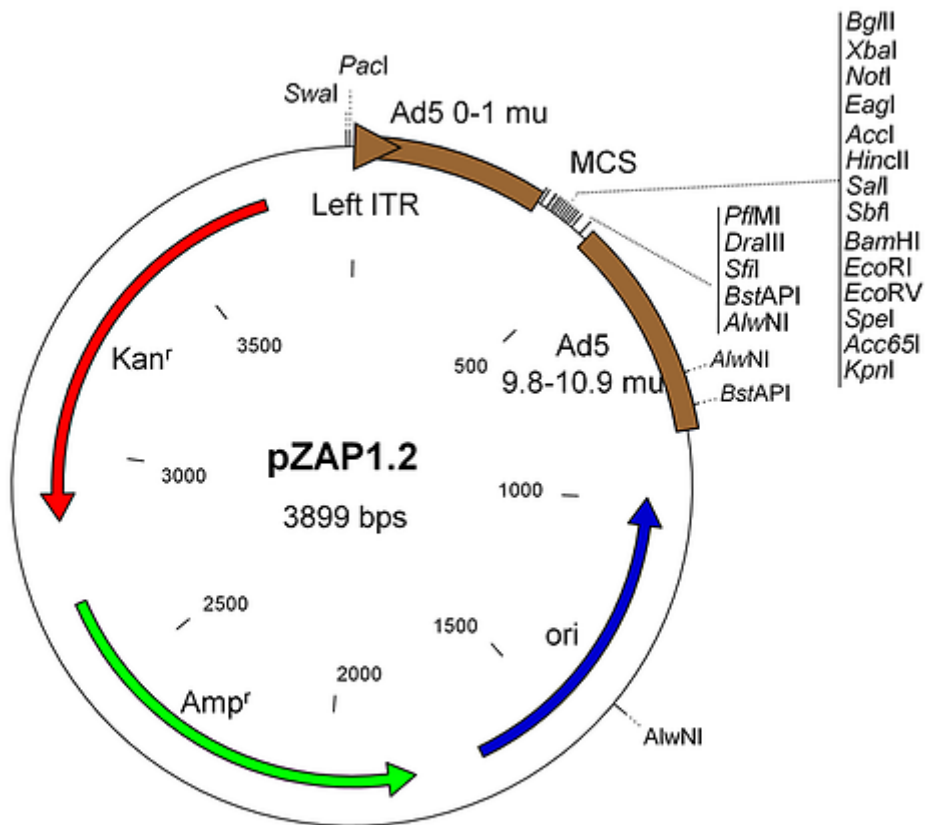


pZAP1.2

pZAP1.2 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 (?E3), RightZAP1.3 (?E3 + 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 *PacI* or *SwaI* on one side, and either *PflMI*, *DraIII*, *SfiI*, *BstAPI* or *AlwNI* on the other side. When recombination in helper cells is used, the shuttle vector needs to be linearized using *PacI* or *SwaI* only.



Polylinker

[pZAP1-2_MCS.png](#) (398.34 KB)

Sequence

[pZap12.txt](#) (5.09 KB)

Product Information Sheet

[Product_Information_pZAP12.pdf](#) (143.59 KB)