

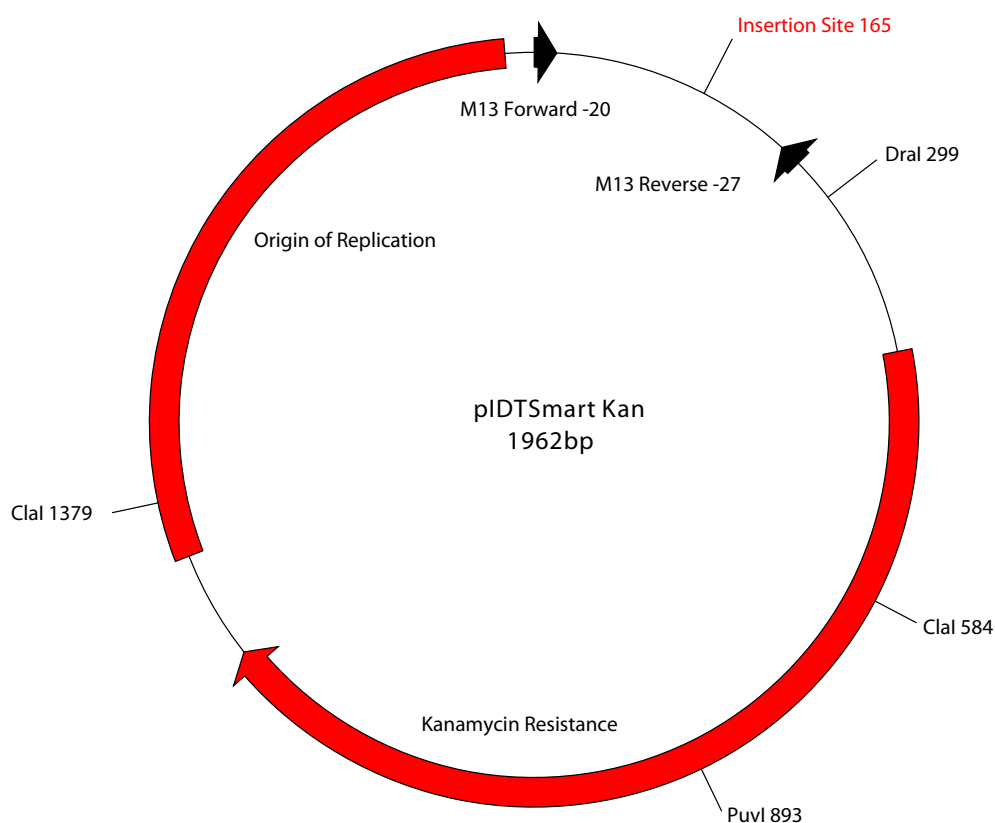


## pIDTSmart, Kanamycin resistance

This high copy vector lacks most common restriction sites and promoters found in traditional vectors. The lack of these features frees the researcher to include the restriction sites and promoters of their choice without interference from features within the plasmid. The small size of this plasmid aids in the ability to clone with high efficiency and the transcription terminators that flank the cloning site aid in decreasing insert expression. IDT also offers an Ampicillin resistant version of pIDTSmart.

### Common restriction sites that are NOT present:

Apal, Aval, BamHI, BclI, BglII, BspEI, BtgI, EagI, EcoRI, EcoRV, HindIII, HpaI, KpnI, MfeI, MluI, MreI, NarI, NcoI, NheI, NotI, PacI, PstI, PvuII, SacI, SacII, Sall, SbfI, SexAI, SgrDI, SmaI, SrfI, StuI, Styl, TliI, XbaI, XhoI, XmaI, ZraI,  
For a complete list of restriction sites, see [www.idtdna.com](http://www.idtdna.com)



### Sequence surrounding the insertion site:

M13 Forward -20  
 GTAAAACGAC GGCCAGTTA TCTAGTCAGC TTGATTCTAG CTGATCGTGG ACCGGAAGGT GAGCCAGTGA  
 CATTTTGCTG CCGGTCAAAT AGATCAGTCG AACTAAGATC GACTAGCACC TGGCCTTCCA CTCGGTCACT

71 GTTGATTGCA GTCCAGTTAC GCTGGAGTCT GAGGTCGC TC GAATGATA TGC GACC GCC GGAGGGTTGC  
 CAACTAACGT CAGGTCAATG CGACCTCAGA CTCCGAGCAG GACTTACTAT ACGCTGGCGG CCTCCCAACG

141 GTTTGAGACG GCGACAGAT GENE ATCACTACTG GACCGCGAGC TGTGCTGCGA CCCGTGATCT  
 CAAACTCTGC CCGCTGTCTA GENE TAGTGATGAC CTGGCGCTCG ACACGACGCT GGGCACTAGA

201 TACGGCATA TACGTATGAT CGGTCCACGA TCAGTAGAT TATCTAGTCA GCTTGATGTC ATAGCTGTTT  
 ATGCCGTAAT ATGCATACTA GCCAGGTGCT AGTCGATCTA ATAGATCAGT CGAACTACAG TATCGACAAA  
 M13 Reverse -27

251 CCTG  
 GGAC