

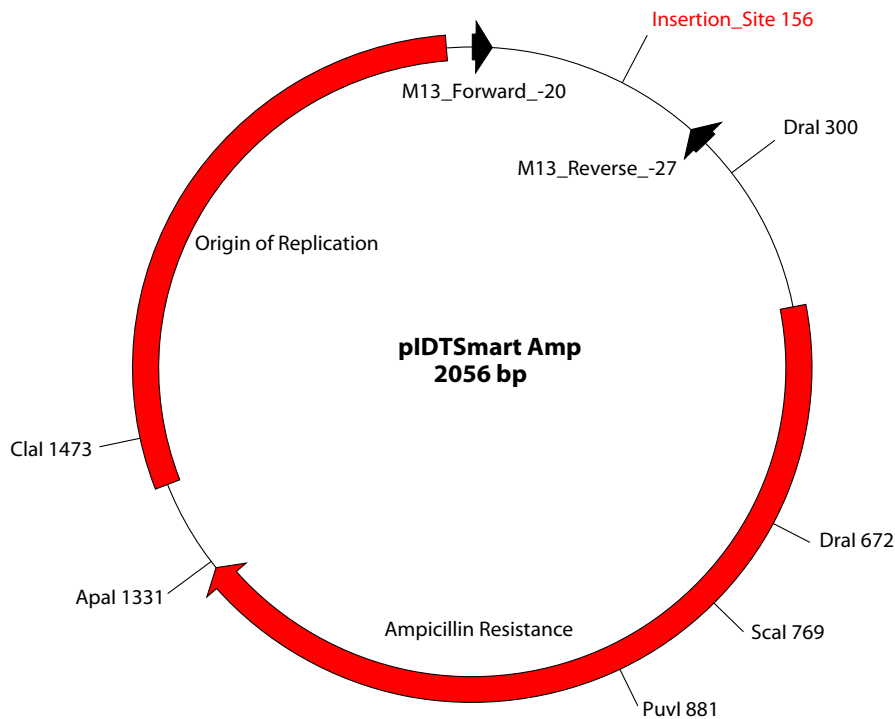


pIDTSmart, Ampicillin resistance

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 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 a Kanamycin resistant version of pIDTSmart.

Common restriction sites that are NOT present: Apol, AscI, Aval, BamHI, BclI, BglII, BlnI, BsmI, BspEI, BtgI, EagI, EcoRI, EcoRV, HindIII, HpaI, KpnI, MfeI, MluI, MreI, NarI, NcoI, NheI, NotI, Nrul, NsiI, NspI, PacI, PaeI, PstI, PvuII, SacI, SacII, Sall, SbfI, SexAI, SgrDI, SmaI, SrfI, SspI, StuI, StyI, TliI, XbaI, XhoI, XmaI, ZraI

For a complete list of restriction sites, go to www.idtdna.com



Sequence surrounding the insertion site:

M13 For -20

1 GTAAACGAC GGCCAGTTTA TCTAGTCAGC TTGATTCTAG CTGATCGTGG ACCGGAAGGT GAGCCAGTGA
 CATTCTGCTG CCGGTCAAAT AGATCAGTCG AACTAAGATC GACTAGCACC TGGCCTTCCA CTCGGTCACT

Aci I

71 GTTGATTGCA GTCCAGTTAC GCTGGAGTCT GAGGCTCGTC CTGAATGATA TGCGACCGCC GGAGGGTTGC
 CAACCTAACGT CAGGTCAATG CGACCTCAGA CTCGAGCAG GACTTACTAT ACGTGGCGG CCTCCCAACG

141 GTTTGAGACG GGCGACAGAT GENE ATCAGTTCTG GACGAGCGAG CTGTCTGTCG ACCGTGATC
 CAAACTCTGC CCGTGTCTA GENE TAGTCAAGAC CTGCTCGCTC GACAGCAGGC TGGGCACTAG

201 TTACGGCATT ATACGTATGA TCGGTCCAG ATCAGCTAGA TTATCTAGTC AGCTTGATGT CATAGCTGTT
 AATGCCGTAA TATGCATACT AGCCAGGTGC TAGTCGATCT AATAGATCAG TCGAACTACA GTATCGACAA
M13 Rev -27

271 TCCTG
 AGGAC