

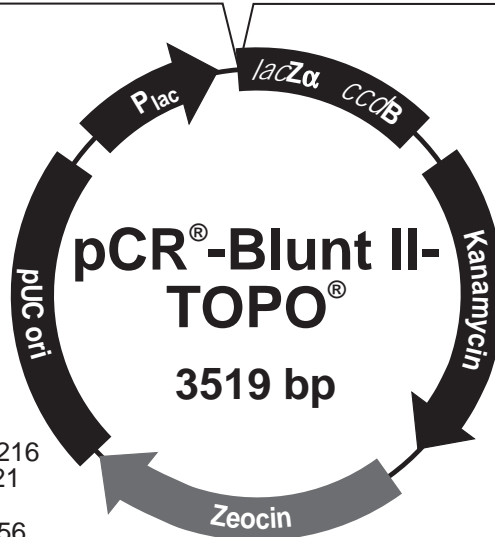
M13 Reverse priming site SP6 promoter/priming site
 201 CACA CAGGAA ACAGCTATGA CCATGATTAC GCCAAGCTAT TTAGGTGACA CTATAGAATA
 GTGTGTCCTT TGTCGATACT GGTACTAATG CGGTTTCGATA AATCCACTGT GATATCTTAT

 Nsi I Hind III Asp718 I Kpn I Ecl136 II Sac I BamH I Spe I
 CTC AAGCTAT GCATCAAGCT TGGTACCGAG CTCGGATCCA CTAGTAACGG CCGCCAGTGT
 GAGTTCGATA CGTAGTTCGA ACCATGGCTC GAGCCTAGGT GATCATTGCC GGCGGTCACA

 EcoR I EcoR I Pst I EcoR V
 GCTGGAATTC GCCCTT **Blunt PCR Product** AAGGGCGAATCT GCAGATA
 CGACCTTAAG CGGGAA TTCCCCTTAAGA CGTCTAT

 Not I Xho I Nsi I Xba I Dra II Apa I T7 promoter/priming site
 TCCATCACAC TGGCGGCCGC TCGAGCATGC ATCTAGAGGG CCCAATTCGC CCTATAGTGA
 AGGTAGTGTG ACCGCCGGCG AGCTCGTACG TAGATCTCCC GGGTTAAGCG GGATATCACT

 M13 Forward (-20) priming site
 GTCGTATTAC AATTCACTGG CCGTCGTTTT ACAACGTCGT GACTGGGAAA ACCCTGGCGT 476
 CAGCATAATG TTAAGTGACC GGCAGCAAAA TGTGTCAGCA CTGACCCTTT TGGGACCGCA



**Comments for pCR®-Blunt II-TOPO®
3519 nucleotides**

lac promoter/operator region: bases 95-216
 M13 Reverse priming site: bases 205-221
 LacZ-alpha ORF: bases 217-576
 SP6 promoter priming site: bases 239-256
 Multiple Cloning Site: bases 269-399
 TOPO®-Cloning site: bases 336-337
 T7 promoter priming site: bases 406-425
 M13 (-20) Forward priming site: bases 433-448
 Fusion joint: bases 577-585
ccdB lethal gene ORF: bases 586-888
kan gene: bases 1099-2031
kan promoter: bases 1099-1236
 Kanamycin resistance gene ORF: bases 1237-2031
 Zeocin resistance ORF: bases 2238-2612
 pUC origin: bases 2724-3397