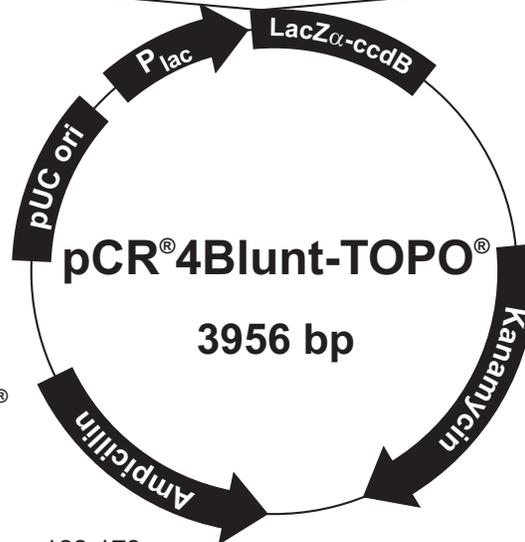


		LacZ α initiation codon						T3 priming site
	M13 Reverse priming site							
201	CACACAGGAA	ACAGCTATGA	CCATGATTAC	GCCAAGCTCA	GAATTAACCC	TCACTAAAGG		
	GTGTGTCCTT	TGTCGATACT	GGTACTAATG	CGGTTTCGAGT	CTTAATTGGG	AGTGATTCC		
	Spe I	Pst I	Pme I	EcoR I			EcoR I	Not I
261	GACTAGTCCT	GCAGGTTTAA	ACGAATTTCGC	CCTT	Blunt PCR Product	AAGGGC	GAATTCGCGG	
	CTGATCAGGA	CGTCCAAATT	TGCTTAAGCG	GGAA		TTCCCG	CTTAAGCGCC	
			T7 priming site				M13 Forward (-20) priming site	
311	CCGCTAAATT	CAATTCGCCC	TATAGTGAGT	CGTATTACAA	TTCACTGGCC	GTCGTTTTAC		
	GGCGATTTAA	GTTAAGCGGG	ATATCACTCA	GCATAATGTT	AAGTGACCGG	CAGCAAAATG		



**Comments for pCR®4Blunt-TOPO®
3956 nucleotides**

lac promoter region: bases 2-216
 CAP binding site: bases 95-132
 RNA polymerase binding site: bases 133-178
 Lac repressor binding site: bases 179-199
 Start of transcription: base 179
 M13 Reverse priming site: bases 205-221
 LacZ α -*ccdB* gene fusion: bases 217-810
 LacZ α portion of fusion: bases 217-497
 ccdB portion of fusion: bases 508-810
 T3 priming site: bases 243-262
 TOPO® Cloning site: bases 294-295
 T7 priming site: bases 328-347
 M13 Forward (-20) priming site: bases 355-370
 Kanamycin promoter: bases 1021-1070
 Kanamycin resistance gene: bases 1159-1953
 Ampicillin (*bla*) resistance gene: bases 2203-3063 (c)
 Ampicillin (*bla*) promoter: bases 3064-3160 (c)
 pUC origin: bases 3161-3834
 (c) = complementary strand