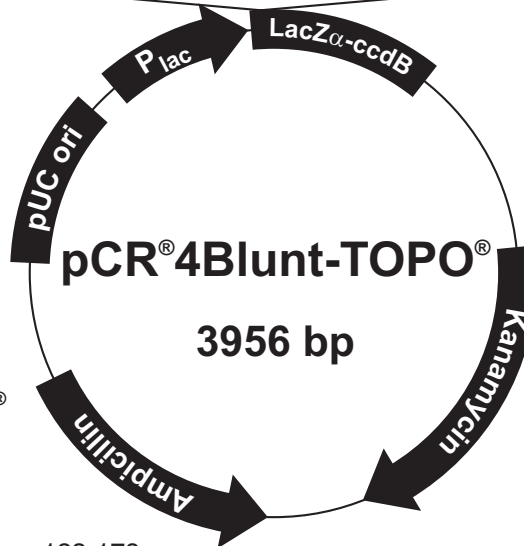


		LacZ α initiation codon			T3 priming site		
	M13 Reverse priming site						
201	CACACAGGAA	ACAGCTATGA	CCATGATTAC	GCCAAGCTCA	GAATTAACCC	TCACTAAAGG	
	GTGTGTCCTT	TGTCGATACT	GGTACTAATG	CGGTTTCGAGT	CTTAATTGGG	AGTGATTTC	
	<i>Spe</i> I	<i>Pst</i> I	<i>Pme</i> I	<i>Eco</i> R I		<i>Eco</i> R I	<i>Not</i> I
261	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	CAATTCGCC	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