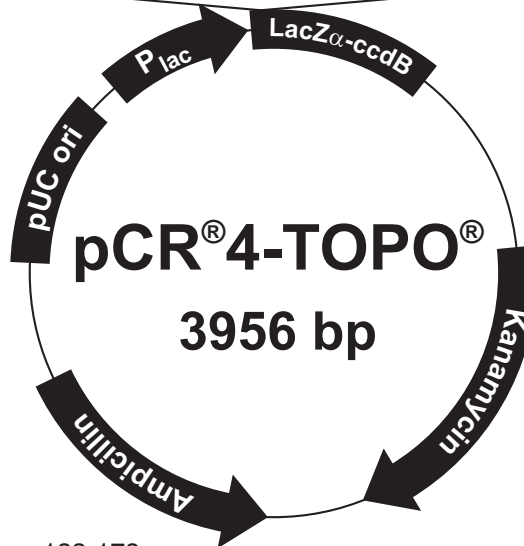


		LacZ α initiation codon		T3 priming site		
	M13 Reverse priming site					
201	CACACAGGAA	ACAGCTATGA	CCATGATTAC	GCCAAGCTCA	GAATTAACCC	TCACTAAAGG
	GTGTGTCCTT	TGTCGATACT	GGTACTAATG	CGGTTTCGAGT	CTTAATTGGG	AGTGATTTCC
	Spe I	Pst I	Pme I	EcoR I		EcoR I
	Not I					
261	GACTAGTCCT	GCAGGTTTAA	ACGAATTCGC	CCTT	PCR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



**Comments for pCR[®]4-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