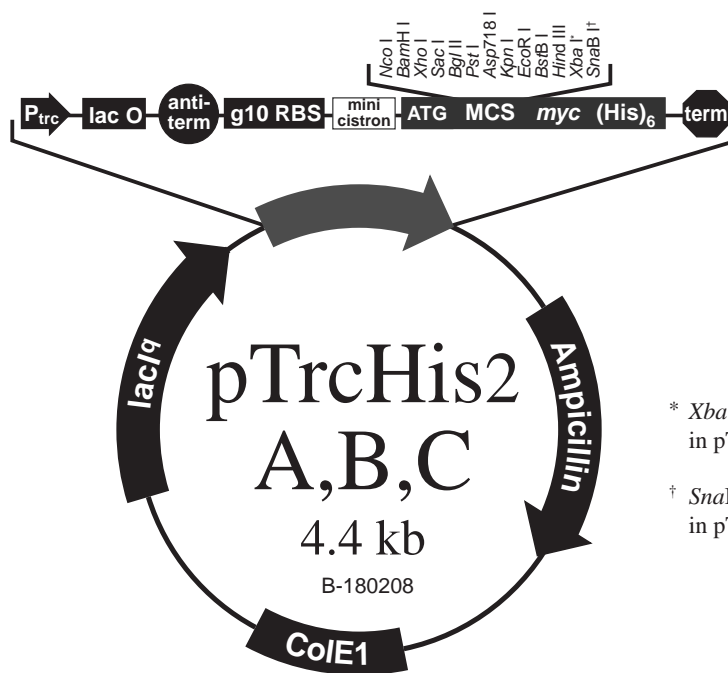


Comments for pTrcHis2 A
4406 nucleotides



trc promoter region: bases 190-382
 -35 region: bases 193-198
 -10 region: bases 216-221
 lac operator (*lacO*): bases 228-248
rrnB antitermination signal: bases 264-333
 gene 10 region: bases 346-354
 Ribosome binding site: bases 369-373
 pTrcHis forward priming site: bases 370-390
 Minicistron ORF: bases 383-409
 Reinitiation RBS: bases 398-403
 Expression ATG: bases 413-415
 Multiple cloning site: bases 411-464
myc epitope: bases 471-503
 (His)₆ tag: bases 516-533
mycHis reverse priming site: bases 508-527
rrnB T1 and T2 transcriptional terminators: bases 639-796
 Ampicillin resistance ORF: bases 1076-1936
 ColE1 origin: bases 2081-2754
 Lac Repressor (*lac^q*) ORF: bases 3285-4367



* *Xba* I is only found in pTrcHis2 B

† *SnaB* I is only found in pTrcHis2 C

The sequences of pTrcHis2 A, B, & C have been compiled from information in sequence databases, published sequences, and other sources. These vectors have not been completely sequenced. If you suspect an error in the sequences, please contact Invitrogen's Technical Services Department.

U.S. Headquarters

Tel: 1-800-955-6288
 Fax: 1-760-603-7201

European Headquarters

Tel: +31 (0) 594 515 175
 Fax: +31 (0) 594 515 312

pTrcHis2 A
 Polylinker
 Primer binding sites
 Translational sequences



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181      TGAAATGAGC -35 (trpB) TGTTGACAAT TAATCATCCG -10 (lacUV5) GCTCGTATAA TGTGTGGAAT lac operator (lacO) TGTGAGCGGA

241      TAACAATTTT ACACAGGAAA CAGCGCCGCT rrnB antitermination sequences GAGAAAAAGC GAAGCGGCAC TGCTCTTTAA

301      CAATTTATCA GACAATCTGT GTGGGCACTC GACCGGAATT ATCGATTAAC T7 gene10 translational enhancer TTTATTATTA

361      AAAATTTAAAG RBS AGGTATATAT TA pTrcHis forward priming site ATG TAT CGA TTA AAT AAG Mini cistron GAG RBS GAA TAA Nco I ACC
          Met Tyr Arg Leu Asn Lys Glu Glu ***

413      Bam HI ATG Xho I GATCCGAGCT Sac I Bgl II CGAGATCTGC Pst I Asp718 I Kpn I AGCTGGTACC EcoR I BstB I Hind III ATATGGGAAT TCGAAGCT TGGGCC
          Met

471      myc epitope tag GAA CAA AAA CTC ATC TCA GAA GAG GAT CTG AAT AGC Sal I GCC GTC GAC CAT
          Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Ser Ala Val Asp His
          myc His Reverse priming site

519      CAT CAT CAT CAT CAT ProBond binding domain TGA GTTTA AACGGTCTCC AGCTTGGCTG TTTTGGCGGA
          His His His His His ***

572      TGAGAGAAGA TTTTCAGCCT GATACAGATT AAATCAGAAC GCAGAAGCGG TCTGATAAAA

632      CAGAATTTGC CTGGCGGCAG TAGCGCGGTG GTCCACCTG ACCCCATGCC GAACTCAGAA

692      rrnB T1 and T2 transcriptional terminators GTGAAACGCC GTAGCGCCGA TGGTAGTGTG GGGTCTCCCC ATGCGAGAGT AGGGAAGTGC

752      CAGGCATCAA ATAAAACGAA AGGCTCAGTC GAAAGACTGG GCCTT
  
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Boxed nucleotides indicate the variable region.