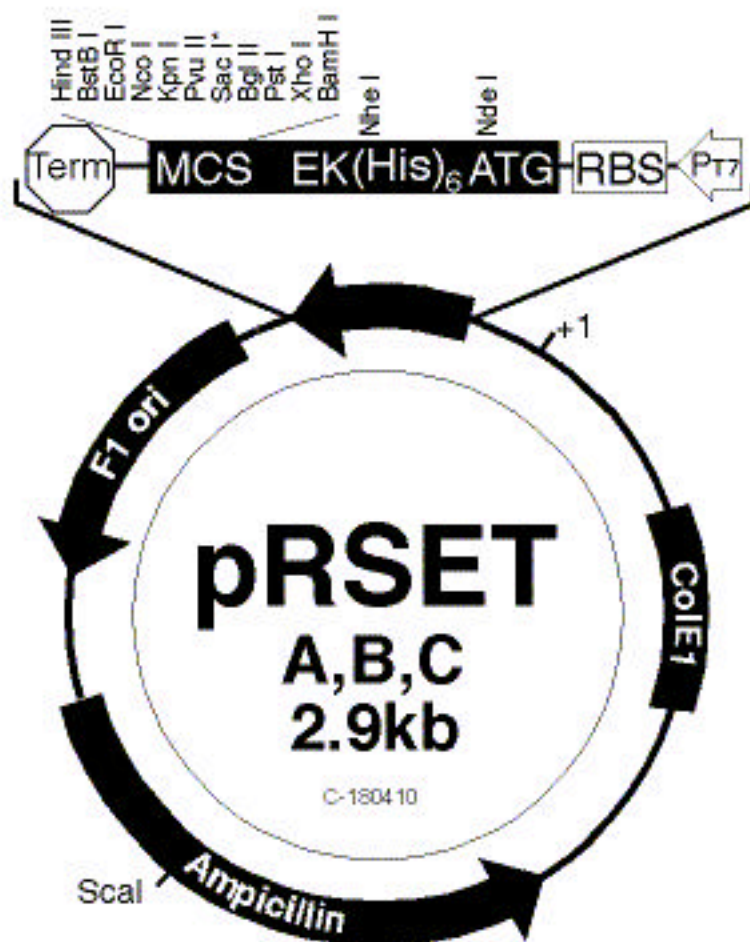


Comments for pRSET B
2940 base pairs



Ampicillin Resistance Gene: bases 996-1856
f1 origin: bases 2042-2497
Polylinker: bases 2705-2751
Metal Binding Domain: bases 2814-2831
T7 Promotor: bases 2903-2922



*Sac I is only found in versions A and B

The vectors pRSET A, B, and C are currently being sequenced. Restriction analysis has determined that the Bgl II site (2734) in the multiple cloning site is unique and that the reported site at 2937 does not exist. If you suspect additional errors in the sequence, please contact Invitrogen's Technical Service Department.

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pRSETB

Polylinker

Primer binding sites

Translational sequences



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                                     T7 promoter
2940  ATCTCGATCC CGCGAAATTA ATACGACTCA CTATAGGGAG ACCACAACGG TTTCCCTCTA

                                     RBS
2880  GATAATTTTG TTTAACTTTA AGAAAGGAGAT ATACAT ATG CGG GGT TCT CAT CAT
      ProBond binding domain      T7 gene 10 leader      Met Arg Gly Ser His His

2826  CAT CAT CAT CAT GGT ATG GCT AGC ATG ACT GGT GGA CAG CAA ATG GGT
      His His His His Gly Met Ala Ser Met Thr Gly Gly Gln Gln Met Gly

Anti-Xpress™ Antibody Epitope  EK recognition sequence  Bam HI  Xho I  Bgl II  Sac I  Pst I
2778  CGG GAT CTG TAC GAC GAT GAC GAT AAG GAT CGG AGC TCG AGA TCT GCA
      Arg Asp Leu Tyr Asp Asp Asp Asp Lys Asp Pro Ser Ser Arg Ser Ala
      Pvu II  Kpn I  Nco I  Eco RI  Bst BI  Hind III  ▲ EK cleavage site

2730  GCT GGT ACC ATG GAA TTC GAA GCT TGA TCCGGCTGCT AACAAAGCCC
      Ala Gly Thr Met Glu Phe Glu Ala ***

      transcriptional termination sequences  pRSET reverse primer
2683  GAAAGGAAGC TGAGTTGGCT GCTGCCACCG CTGAGCAATA ACTAGCATAA CCCCTTGGGG

2623  CCTCTAAACG GGTCTTGAGG GGTTTTTTGC TGAAAGGAGG AACTATATCC GGATCTGGCG

2563  TAATAGCGAA GAGGCCCGCA CCGATCGCCC TTCCAACAG TTGCGCA
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The Invitrogen Xpress vectors are provided as a set of three plasmids (A, B, and C) that differ only in the sequence of the variable region shown on the right and boxed above.

pRSET A variable region: GATGGGGATCCGAG
pRSET B variable region: CGAG
pRSET C variable region: GATGGATCCGAC