



Comments for pBAD/His A
4103 nucleotides

BAD promoter region: bases 2-250
 pBAD Forward priming site: bases 208-227
 Initiation ATG: bases 319-321
 Polyhistidine tag: bases 331-348
 Xpress™ epitope: bases 388-411
 Enterokinase recognition site: bases 397-411
 Multiple cloning site: bases 430-470
rrnB transcription termination region: bases 553-710
 Ampicillin ORF: bases 990-1850
 pUC-derived origin: bases 1995-2668
 AraC ORF: bases 4077-3199

pBADHis C

P_{BAD} regulatory region
N-terminal peptide
Multiple cloning site
Transcriptional termination region



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      O2 Region
1  AAGAAAACCAA TTGTCCATAT TGCATCAGAC ATTGCCGTCA CTGCGTCTTT TACTGGCTCT

61  TCTCGCTAAC CAAACCGGTA ACCCCGCTTA TTAAAAGCAT TCTGTAACAA AGCGGGACCA

      O1 Region
121 AAGCCATGAC AAAAAACGCGT AACAAAAAGTG TCTATAATCA CGGCAGAAAA GTCCACATTG
      pBAD Forward priming site
181 ATTATTTGCA CGGCGTCACA CTTTGCTATG CCATAGCATT TTTATCCATA AGATTAGCGG
      CAP binding site
      I2 and I1 Region
241 ATCCTACCTG ACGCTTTTTTA TCGCAACTCT CTACTGTTTC TCCATACCCG TTTTTTTGGG

      -35
      -10
301 CTAACAGGAG GAATTAACC ATG GGG GGT TCT CAT CAT CAT CAT CAT CAT GGT ATG GCT
      RBS Nco I Polyhistidine Region
      Met Gly Gly Ser His His His His His His Gly Met Ala

      Anti-Xpress™ Epitope EK recognition site
359 AGC ATG ACT GGT GGA CAG CAA ATG GGT CGG GAT CTG TAC GAC GAT GAC GAT AAG
      Ser Met Thr Gly Gly Gln Gln Met Gly Arg Asp Leu Tyr Asp Asp Asp Asp Lys ▲
      EK cleavage site

      Xho I Bgl II Pst I Kpn I EcoR I
413 CAT CGA TGG ATC CGA CCT CGA GAT CTG CAG ATG GTA CCA TAT GGG AAT
      His Arg Trp Ile Arg Pro Arg Asp Leu Gln Met Val Pro Tyr Gly Asn

      Sfu I Hind III
461 TCG AAG CTT GGCTGTTTTG GCGGATGAGA GAAGATTTTC AGCCTGATAC AGATTAAATC
      Ser Lys Leu

520 AGAACGCAGA AGCGGTCTGA TAAAACAGAA TTTGCCTGGC GGCAGTAGCG CGGTGGTCCC

      rrnB T1 and T2 transcriptional terminator
580 ACCTGACCCC ATGCCGAACT CAGAAAGTGAA ACGCCGTAGC GCCGATGGTA GTGTGGGGTC

640 TCCCCATGCG AGAGTAGGGA ACTGCCAGGC ATCAAATAAA ACGAAAGGCT CAGTCGAAAG

700 ACTGGGCCTT TCGTTTTATCT

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Boxed nucleotides indicate the variable region.