

**pcDNA™3.1/myc-His(-) B MCS**

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741 AAATGTCGTA ACAACTCCGC CCCATTGACG CAAT
      |
      | CAAATGGGCG GTAGGCGTGT ACGGTGGGAG
      |
      | TATA
      |
801 GTCTATATAA GCAGAGCTCT CTGGCTAACT putative transcriptional start
      |
      | T7 promoter/priming site
      |
861 ATTAATACGA CTCACTATAG GGAGACCCAA GCT GGC TAG CGT TTA AAC GGG CCC
      |   |   |   |   |   |   |   |   |   |   |   |   |   |
      |   |   |   |   |   |   |   |   |   |   |   |   |   |
      | Gly *** Arg Leu Asn Gly Pro
      |
      | Xba I* Xho I Not I BstX I* EcoR V EcoR I
      |   |   |   |   |   |   |   |   |   |   |
915 TCT AGA CTC GAG CGG CCG CCA CTG TGC TGG ATA TCT GCA GAA TTC CAC
      |   |   |   |   |   |   |   |   |   |   |   |   |   |
      | Ser Arg Leu Glu Arg Pro Pro Leu Cys Trp Ile Ser Ala Glu Phe His
      |
      | BstX I* BamH I Asp718 I Kpn I Hind III Xba I* myc epitope
      |   |   |   |   |   |   |   |   |   |   |
963 CAC ACT GGA CTA GTG GAT CCG AGC TCG GTA CCA AGC TTT CTA GAA CAA
      |   |   |   |   |   |   |   |   |   |   |   |   |   |
      | His Thr Gly Leu Val Asp Pro Ser Ser Val Pro Ser Phe Leu Glu Gln
      |
      | Polyhistidine tag
1011 AAA CTC ATC TCA GAA GAG GAT CTG AAT AGC GCC GTC GAC CAT CAT CAT
      |   |   |   |   |   |   |   |   |   |   |   |   |   |
      | Lys Leu Ile Ser Glu Glu Asp Leu Asn Ser Ala Val Asp His His His
      |
      | AfII
1059 CAT CAT CAT TGA GTTTAAACGG TCTCCAGCTT AAGTTTAAAC CGCTGATCAG
      |   |   |   |   |   |   |   |   |   |   |   |   |
      | His His His ***
      |
      | BGH Reverse priming site
1111 CCTCGACTGT GCCTTCTAGT TGCCAGCCAT CTGTTGTTTGG CCCCTCCCCC GTGCCTTCCT

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