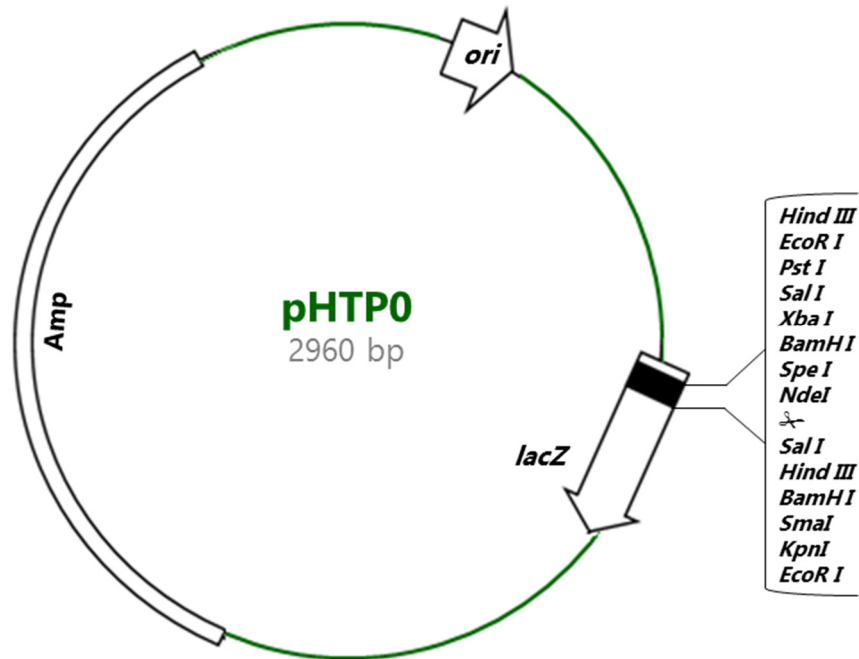


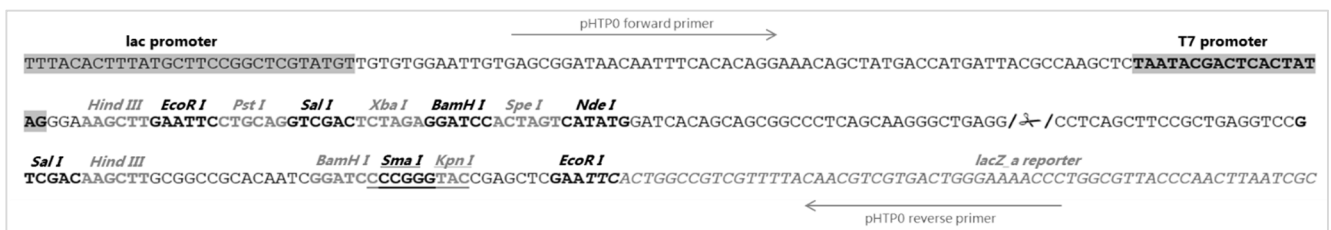
pHTP0 Vector

pHTP0 was engineered for directional cloning of any PCR-generated fragment in a single ligase-independent reaction mediated by the NZYEasy enzyme mix. This vector, included in the portfolio of NZYTech pHTP vectors, is part of the NZYEasy Cloning & Expression System.

1. Vector Map



pHTP0 Cloning Region



∞ Represents the site where the gene will be inserted.

2. Vector Sequence (2960 bp)

ATGACCATGATTACGCCAAGCTCTAATACGACTCACTATAGGGAAAGCTTGAATTCCTGCAGGTCGACTCTAGAGGATCCACTAGTCATATGGATCACAGCAG
CGGCCCTCAGCAAGGGCTGAGG/~~Δ~~/CCTCAGCTTCCGCTGAGGTCCGTCGACAAGCTTGCAGCCGCAACAATCGGATCCCCGGGTACCGAGCTCGAATTCAC
GGCGTCGTTTTACAACGTCGTGACTGGGAAAACCCCTGGCGTTACCCAACCTAATCGCCTTGCAGCACATCCCCCTTTCGCCAGCTGGCGTAATAGCGAAGAG
GCCCGCACCGATCGCCCTTCCCAACAGTTGCGCAGCCTGAATGGCGAATGGAATTTGTAAGCGTTAATATTTTGTAAAAATTCGCGTTAAATTTTTGTAAAT
CAGCTCATTTTTTAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAGAATAGACCCGAGATAGGGTTGAGTGTGTCCAGTTTTGGAACAAGAGT
CCACTATTAAGAAGCTGGACTCCAACGTCAAAGGGCGAAAAACCGTCTATCAGGGCGATGGCCCACTACGTGAACCATCACCTAATCAAGTTTTTTGGGGT
CGAGGTGCCGTAAAGCACTAAATCGGAACCTAAAGGGAGGCCCGGATTTAGAGCTTGACGGGAAAGCCGGCGAACGTGGCGAGAAAGGAAGGAAAGAAAGC
GAAAGGAGCGGGCGCTAGGGCGCTGGCAAGTGTAGCGGTACGCTGCGCGTAACCACCACACCCGCGCGCTTAATGCGCCGCTACAGGGCGCGTCAGGTGGC
ACTTTTCGGGAAAATGTGCGCGGAACCCCTATTTGTTATTTTCTAAATACATTCAAATATGTATCCGCTCATGAGACAATAACCCGTATAAATGCTTCAAT
AATATTGAAAAGGAAGAGTATGAGTATCAACATTTCCGTGTCGCCCTTATCCCTTTTTTGCAGGATTTTGCCTTCTGTTTTTGCTCACCCAGAACGCT
GGTAAAAGTAAAAGATGCTGAAGATCAGTTGGGTGCACGAGTGGGTACATCGAAGTGGATCTCAACAGCGGTAAGATCCTTGAGAGTTTTTCGCCCCGAAGAA
CGTTTTCCAATGATGAGCACTTTTAAAGTTCTGCTATGTGGCGCGGTATTATCCCGTATTGACGCCGGGCAAGAGCAACTCGGTGCGCCGATACACTATTCTC
AGAATGACTTGGTTGAGTACTCACCAGTCACAGAAAAGCATCTTACGGATGGCATGACAGTAAGAGAATTATGCAGTGTGCCATAACCATGAGTGATAACAC
TGCGGCCAACTTACTTCTGACAACGATCGGAGGACCGAAGGACTAACCGCTTTTTGACACAACATGGGGGATCATGTAACCTGCCTTGATCGTTGGGAACCG
GAGTGAATGAAGCCATACCAAACGACGAGCGTGACACCAGATGCCTGTAGCAATGGCAACAACGTTGCGCAAACTATTAAGTGGCAACTACTTACTCTAG
CTTCCCGGCAACAATTAATAGACTGGATGGAGGCGGATAAAGTTGCAGGACCCTTCTGCGCTCGGCCCTTCCGGCTGGCTGGTTTTATGCTGATAAATCTGG
AGCCGGTGAGCGTGGGTCTCGCGGTATCATTGCAGCACTGGGGCCAGATGGTAAGCCCTCCCGTATCGTAGTTATCTACACGACGGGAGTCAGGCAACTATG
GATGAACGAAATAGACAGATCGCTGAGATAGGTGCCTCACTGATTAGCATTTGGTAACTGTCAGACCAAGTTTACTCATATATACTTTAGATTGATTAAAAC
TTCATTTTTAATTTAAAAGGATCTAGGTGAAGATCCTTTTTGATAATCTCATGACAAAAATCCCTTAAACGTGAGTTTTCGTTCCACTGAGCGTCAGACCCCGT
AGAAAAGATCAAAGGATCTTCTTGAGATCCTTTTTTCTGCGGTAATCTGCTGCTTGCAAAACAAAAAACACCAGCTACCAGCGGTGGTTTTGTTGCCGGAT
CAAGAGTACCAACTCTTTTTCCGAAGGTAAGTGGCTTCCAGCAGCGCAGATACCAAACTGTTCTTCTAGTGTAGCCGTAGTTAGGCCACCCTCAAGA
ACTCTGTAGCACCGCTACATACCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCGTGTCTTACCAGGTTGGACTCAAGACGATA
GTTACCGGATAAAGCGCAGCGGTGCGGGCTGAACGGGGGTTCTGTGCACACAGCCAGCTTGGAGCGAACGACCTACACCGAAGTACAGGATACCTACAGCGTGAG
CTATGAGAAAGCGCCACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCGAGGTGCGAACAGGAGAGCGCACGAGGGAGCTTCCAGGGGGAA
ACGCCTGGTATCTTTATAGTCTGTCGGGTTTCGCCACCTGACTTGGAGCGTCGATTTTTGTGATGCTCGTCAGGGGGGCGAGGCTATGAAAAACGCCAG
CAACGCGGCCTTTTTACGGTTCTGCGCCTTTTGTGTCACATGTTCTTCTCGCTTATCCCTGATTCGTGTGATAACCGTATTACCGCCTTT
GAGTGAGCTGATACCGCTCGCCGACGCCAAGCAGCCGAGCGCAGGAGTCACTGAGCGAGGAAGCGGAAGAGCGCCCAATACGCAAAACCGCCTCTCCCCGCGC
GTTGGCCGATTCATTAATGACGCTGGCAGCAGAGTTTCCCGACTGGAAGCGGGCAGTGAAGCGCAACGCAATTAATGTGAGTTAGCTCACTCATTAGGCACC
CCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGTGGAATTGTGAGCGGATAACAATTTACACACAGGAAACAGCT

pHTPO sequence landmarks:

- **Selectable marker:** Ampicillin (944-1804 bp)
- **T7 promoter:** 24-42 bp
- **Cloning region:** ~~Δ~~
- **lacZ_a reporter:** 197-356 bp
- **lac promoter:** 2887-2916 bp
- **Colony PCR/sequencing primers (pHTPO forward & reverse primers):** in purple underlined (Extra size: 268 bp)

V1901

For research use only.