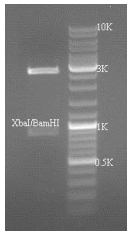


pUC-HCV E2 (subtype 1b)

Cat# HCV-E21b

Gene Name	pUC-HCV E2 (subtype 1b)
Gene description:	Codon optimized cDNA clone of HCV E2 subtype 1b
cDNA Insert Size	843 bp codon optimized HCV E2 (subtype 1b) cDNA fragment (Gene accession# AAR22408) inserted at EcoRV site of pUC57 vector
Vector	pUC57
Cloning Site	EcoRV
Storage	4 °C.

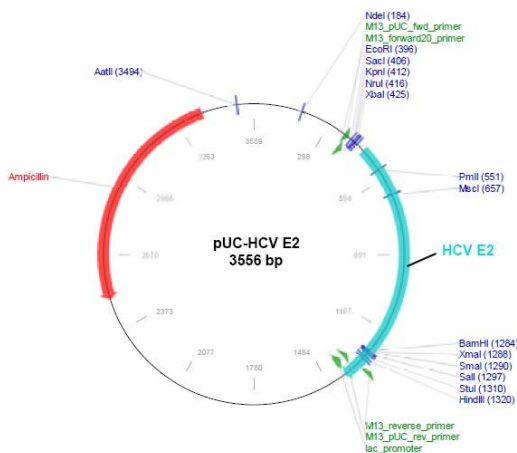
Quality Control



Restriction Enzyme Digestion:

Lane 1, digested with BamHI and XhoI
Lane 2, DNA ladder

Construct map:



Detailed amino acid sequence of the HCV E2 (subtype 1b) cDNA clone:

```

1   GQTRAVGGMQ SHFTQRFVSL FSLGPAQKIQ LVNTNGSWHV NRTALNCNDS LQTGFIAALF YANRFNSSGC
71  PERLASCRPI DKFAQGWGPI TYAKPDSPDQ RPYCWHYAPQ PCGIVPASEV CGPVYCFTPS PVVVGTPIRF
141 GVPTYTWGAN ETDVLLLNNT RPPLGNWFGC TWMNATGFTK TCGGPPCNIG GVGNNALTCP TDCFRKHPEA
211 TYAKCGSGPW LTPRCMVDYP YRLWHYPCTV NFTIFKVRMY VGGVEHRLNA ACNWTRGERC NLEDRDRSEL
281 S
  
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Detailed sequence of the whole construct (pUC-HCV E2 (subtype 1b)):

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1   TCGCGCGTTTCGGTGATGACGGTGAAAACCTCTGACACATGCAGCTCCCGGAGACGGTCACAGCTTGTCTGTAAGCGGAT
81  GCCGGGAGCAGACAAGCCCGTCAGGGCGCGTCAGCGGGTGTGGCGGGTGTGGGGCTGGCTTAACTATGCGGCATCAGA
161 GCAGATTGTACTGAGAGTGACCCATATGCGGTGTGAAATACCGCACAGATGCGTAAGGAGAAAAATACCGCATCAGCGCC
241 ATTCCGCATTTCAGGCTGCGCAACTGTTGGGAAGGGCGATCGGTGCGGGCCTCTTCGCTATTACGCCAGCTGGCGAAAGGG
321 GGATGTGCTGCAAGGCGATTAAGTTGGGTAACGCCAGGGTTTTCCAGTCACGACGTTGTAAAACGACGGCCAGTGAATT
401 CGAGCTCGGTACCTCGGAATGCATCTAGAT GGCCAGACCAGAGCCGTGGGCGGCATGCAGAGCCACTTACCCAGAGAT
481 TCTGTAGCCTGTTACGCTGGGCCCGCCAGAAGATCCAGCTGGTGAACACCAACGGCAGCTGGCAGCTGAACAGAACC
561 GCCCTGAAGTGAACGACAGCCTGCAGACCCGGTTCATCGCCCGCTGTTCTACGCCAACAGATTAACAGCAGCGCGCTG
641 CCCCGAGAGACTGGCCAGCTGCAGACCCATCGACAAGTTCGCCAGGGCTGGGGCCCATCACCTACGCCAACGCCGACA
721 GCCCCGACCAGAGACCCCTACTGCTGGCACTACGCCCCAGCCCTGCGGCATCGTGCCCGCCAGCGAGGTGTGGCGCCC
801 GTGTACTGCTTACCCCGAGCCCGTGGTGGTGGGACCCCCATCAGATTGGCGTGCCACCTACACCTGGGGCGCCAA
881 CGAGACCGACGTGCTGCTGCTGAACAACACCAGACCCCGCTGGGCAACTGGTTCGGCTGCACCTGGATGAACGCCACCG
961 GTTTACCAAGACCTGCGGCGGCCCGCCCTGCAACATCGGCGGGCTGGGCAACAACGCCCTGACCTGCCCCACCGACTGC
1041 TTAGAAAAGCACCAGGACCCACTACGCCAAGTGGCGGAGCGGCCCTGGCTGACCCAGATGCATGGTGGACTACCC
1121 CTACAGACTGTGGCAGTACCCCTGCACCGTGAACCTCACCATCTCAAGGTGAGAAATGTACGTGGCGCGCTGGAGCACA
1201 ACTGAACCGCCCTGCAACTGGACCAGAGGCGAGAGATGCAACCTGGAGGACAGGGATCGGAGCGAACTGAGCTTATC
1281 GGATCCCGGGCCCGTGCAGTGCAGAGGCTGCATGCAAGCTTGGCGTAATCATGGTCATAGCTGTTTCTGTGTGAAATT
1361 GTTATCCGCTCACAATTCCACACAACATACGAGCCGGAAGCATAAAGTGTAAAGCTGGGGTGCCTAATGAGTGAGCTAA
1441 CTCACATTAATTGCGTTGCGCTCACTGCCCGCTTTCAGTCGGGAAACCTGTCTGCCAGCTGCATTAATGAATCGGCCA
1521 ACGCGCGGGGAGAGGCGGTTTGCATATTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCTCGGTCTGTCGGC
1601 TGCGGCGAGCGGTATCAGTCACTCAAAGCGGTAATACGGTTATCCACAGAATCAGGGGATAACGCAGGAAAGAATG
1681 TGAGCAAAAAGGCCAGCAAAAAGGCCAGGAACCGTAAAAAGGCCGCTGTGCTGGCGTTTTTCCATAGGCTCCGCCCCCTGA
1761 CGAGCATCACAATAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGGACTATAAAGATACCAGGCGTTTCCCCTG
1841 GAAGTCCCTCGTGCCTCTCCTGTTCCGACCCGCGCTTACCGGATACCTGTCCGCTTCTCCCTTCGGGAAGCGTG
1921 GCGCTTCTCATAGCTCAGCTGTAGGTATCTCAGTTCGGTGTAGGTGCTTCCGCTCAAGCTGGGTGTGTGCAGGAACC
2001 CCCCCTCAGCCCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGAGTCCAACCCGGTAAGACACGACTTATCGCCAC
2081 TGGCAGCAGCCACTGGTAACAGGATTAGCAGAGCGAGGTATGTAGGCGGTGCTACAGAGTCTTGAAGTGGTGGCCTAAC
2161 TACGGTACACTAGAAGAAGTATTTGGTATCTGCGCTCTGCTGAAGCCAGTTACCTTCGGAAAAAGAGTTGGTAGCTC
2241 TTGATCCGGCAAAACAAACACCGCTGGTAGCGGTGTTTTTTTTGTTGCAAGCAGCAGATTACGCGCAGAAAAAAGGAT
2321 CTCAAGAAGATCCTTTGATCTTTTCTACGGGTCTGACGCTCAGTGAACGAAACTCACGTTAAGGGATTTTGGTCATG
2401 AGATTATCAAAAAGGATCTTACCTAGATCCTTTTAAATTAATAAAGTAAATCAATCTAAAGTATATATGAGTA
2481 AACTTGGTCTGACAGTTACCAATGCTTAATCAGTGAAGCACCTATCTCAGCGATCTGTCTATTTTCGTTTCATCCATAGTTG
2561 CCTGACTCCCCGTCGTGTAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCCAGTGTGCAATGATACCGCGAGAC
2641 CCACGCTCACCGGCTCCAGATTTATCAGCAATAAACAGCCAGCCGGAAGGGCCGAGCAGAAAGTGGTCTGCAACTTT
2721 ATCCGCTCCATCCAGTCTATTAATTGTTGCCGGAAAGCTAGAGTAAGTAGTTCCGCAAGTAAATAGTTTGCAGCACTG
2801 TTGCCATTGCTACAGGCATCGTGGTGTACGCTCGTCTTGGTATGGCTTCAATCAGCTCCGTTCCCAACGATCAAGG
2881 CGAGTTACATGATCCCCATGTTGTGCAAAAAGCGGTTAGCTCCTTCGGTCCCGATCGTTGTGAGAAGTAAGTTGGC
2961 CGCAGTGTATCACTCATGTTTATGCGAGCACTGCATAATCTCTACTGTGATGCCATCCGTAAGATGCTTTTCTGTGA
3041 CTGGTGAGTACTCAACCAAGTCATCTGAGAATAGTGTATGCGGCGACCGAGTTGCTTTCGCCCGCGTCAATACGGGAT
3121 AATACCGCGCCACATAGCAGAACTTTAAAGTGTCTCATATTGAAAACGTTCTTCGGGGCGAAAACTCTCAAGGATCTT
3201 ACCGCTGTTGAGATCCAGTTCGATGTAACCCACTCGTGCACCCAACTGATCTTCAGCATCTTTTACTTTTACCAGCGTTT
3281 CTGGTGAGCAAAAACAGGAAGGCAAAAATGCCGCAAAAAGGGAAATAAGGGCGACACGAAATGTTGAATACTCATACTC
3361 TTCTTTTTCAATATATTGAAGCATTTATCAGGGTATTGTCTCATGAGCGGATACATATTTGAATGATTTAGAAAAA
3441 TAAACAAATAGGGGTTCCGCGCACATTTCCCGCAAAAAGTGCACCTGACGCTAAGAAACCATTATATCATGACATTAA
3521 CCTATAAAAATAGGCGTATCACGAGGCCCTTTCGTC
  
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