

pHTS-NFKB Molecule Information

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Molecule Features

[Vector Map](#)

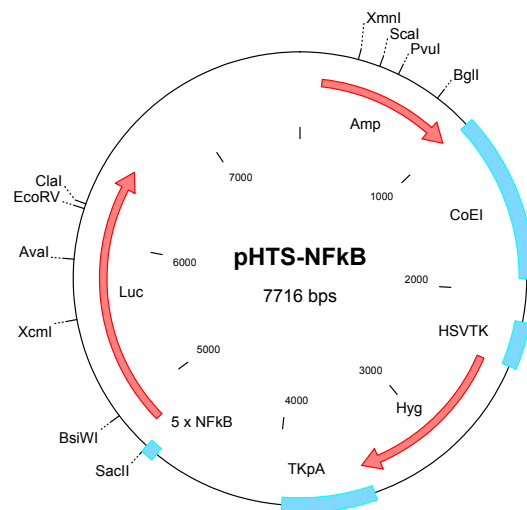
[Nucleotide Sequence](#)

[Restriction Enzyme List](#)

Molecule Features:

Features	Start	End
Ampicillin Resistance Gene	137	997
ColEI Replication Origin	1012	1930
HSV-TK Promoter	2167	2416
Hygromycin Resistance Gene	2430	3467
TK Polyadenylation Signal	3445	3957
Luciferase Gene	4836	6488
5 x NFKB Enhancer Element	4699	4796

Vector Map



Nucleotide Sequence of pHTS-NFKB

1 GACGTCAGGT GGCAC TTTTC GGGGAAATGT GCGCGGAACC CCTATTTGTT TATTTTTCTA
61 AATACATTCA AATATGTATC CGCTCATGAG ACAATAACCC TGATAAATGC TTCAATAATA
121 TTGAAAAAGG AAGAGTATGA GTATTCAACA TTTCCGTGTC GCCCTTATTC CCTTTTTTGC
181 GGCATTTTGC CTTCTGTTT TTGCTCACCC AGAAACGCTG GTGAAAGTAA AAGATGCTGA
241 AGATCAGTTG GGTGCACGAG TGGGTTACAT CGAACTGGAT CTCAACAGCG GTAAGATCCT
301 TGAGAGTTTT CGCCCCGAAG AACGTTTTCC AATGATGAGC ACTTTTAAAG TTCTGCTATG
361 TGGCGCGGTA TTATCCCGTA TTGACGCCGG GCAAGAGCAA CTCGGTGCCT GCATACACTA
421 TTCTCAGAAT GACTTGGTTG AGTACTCACC AGTCACAGAA AAGCATCTTA CGGATGGCAT
481 GACAGTAAGA GAATTATGCA GTGCTGCCAT AACCATGAGT GATAACACTG CGGCCAACTT
541 ACTTCTGACA ACGATCGGAG GACCGAAGGA GCTAACCGCT TTTTTCACA ACATGGGGGA
601 TCATGTAAC TCGCTTGATC GTTGGGAACC GGAGCTGAAT GAAGCCATAC CAAACGACGA
661 GCGTGACACC ACGATGCCTG TAGCAATGGC AACAACTTG CGCAAATAT TAACTGGCGA
721 ACTACTTACT CTAGCTTCCC GGCAACAATT AATAGACTGG ATGGAGGCGG ATAAAGTTGC
781 AGGACCATT CTGCGCTCGG CCCTCCCGC TGGCTGGTTT ATTGCTGATA AATCTGGAGC
841 CCGTGAGCGT GGGTCTCGCG GTATCATTGC AGCACTGGGG CCAGATGGTA AGCCCTCCCG
901 TATCGTAGTT ATCTACACGA CGGGGAGTCA GGCAACTATG GATGAACGAA ATAGACAGAT
961 CGCTGAGATA GGTGCCTCAC TGATTAAGCA TTGGTAACTG TCAGACCAAG TTTACTCATA
1021 TATACTTTAG ATTGATTTAA AACTTCATTT TTAATTTAAA AGGATCTAGG TGAAGATCCT
1081 TTTTGATAAT CTCATGACCA AAATCCCTTA ACGTGAGTTT TCGTTCCTACT GAGCGTCAGA
1141 CCCCCTAGAA AAGATCAAAG GATCTTCTTG AGATCCTTTT TTTCTGCGCG TAATCTGCTG
1201 CTTGCAAACA AAAAAACCAC CGCTACCAGC GGTGGTTTGT TTGCCGGATC AAGAGCTACC
1261 AACTCTTTTT CCGAAGGTAA CTGGCTTCAG CAGAGCGCAG ATACCAAATA CTGTCTTCT
1321 AGTGTAGCCG TAGTTAGGCC ACCACTTCAA GAACTCTGTA GCACCGCCTA CATACTCGC
1381 TCTGCTAATC CTGTTACCAG TGGCTGCTGC CAGTGGCGAT AAGTCGTGTC TTACCGGGTT
1441 GGACTCAAGA CGATAGTTAC CGGATAAGGC GCAGCGGTCG GGCTGAACGG GGGGTTCTGTG
1501 CACACAGCCC AGCTTGGAGC GAACGACCTA CACCGAACTG AGATACCTAC AGCGTGAGCA
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1801 CTTTTGCTCA CATGTTCTTT CCTGCGTTAT CCCTGATTCT GTGGATAACC GTATTACCGC
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1921 AAGCGGAAGA GCGCCTGATG CCGTATTTTC TCCTTACGCA TCTGTGCGGT ATTTACACACC
1981 GCATACGAAC GCCAGCAAGA CGTAGCCAG CGCGTCGGCC CCGAGATGCG CCGCGTGCAG
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2101 GTTCTCCGCA AGAATTGATT GGCTCCAATT CTTGGAGTGG TGAATCCGTT AGCGAGGTGC
2161 CGCCGGGCTG CTTTATCCCC GTGGCCCGTT GCTCGCGTTT GCTGGCGGTG TCCCCGGAAG
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2341 TTAAGGTGAC GCGTGTGGCC TCGAACACCG AGCGACCCTG CAGCGACCCG CTTAACAGCG
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2461 TCGAGAAGTT TCTGATCGAA AAGTTCGACA GCGTCTCCGA CCTGATGCAG CTCTCGGAGG
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4261 GGTTTTACTT GCTTTAAAAA ACCTCCCACA CCTCCCCCTG AACCTGAAAC ATAAAATGAA
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6541 AGGATCTTTG TGAAGGAACC TTAATTCTGT GGTGTGACAT AATTGGACAA ACTACCTACA
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6661 ATTCTAATTG TTTGTGTATT TTAGATTCCA ACCTATGGAA CTTATGAATG GGAGCAGTGG
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6841 GACTTTCCTT CAGAATTGCT AAGTTTTTTT AGTCATGCTG TGTTTAGTAA TAGAACTCTT
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7681 TTTATAGGTT AATGTCATGA TAATAATGGT TTCTTA
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Restriction Map of pHTS-NFKB

This list contains restriction enzymes cut four times or fewer.

Enzyme	#sites	-- Bp position of recognition site --			
AatII	2	1,	2453		
AccI	1	4054			
AflIII	3	1810,	2349,	5329	
AhdI	1	919			
AlwNI	1	1398			
ApaI	1	3726			
AvaI	2	2020,	5892		
BamHI	2	4688,	7384		
BanII	3	3683,	3726,	5856	
EbeI	2	3953,	4868		
BbsI	3	4839,	6117,	6247	
EglI	1	800			
BmrI	4	874,	4079,	5439,	6109
BsaAI	2	4073,	4988		
BsaBI	1	7148			
BsaI	3	852,	3607,	6831	
BseRI	3	6376,	7398,	7425	
BsgI	1	6936			
BsiWI	1	4990			
BsmBI	2	2492,	4176		
BspHI	3	84,	1092,	7695	
BspMI	3	2734,	3976,	6243	
BsrBI	4	80,	1876,	2819,	3177
BsrDI	2	683,	865		
BsrGI	1	5326			
Bst1107I	1	4054			
BstAPI	2	2729,	3005		
BstBI	3	2288,	5004,	5792	
BstEII	1	5443			
Bsu36I	1	5448			
Cfr10I	4	839,	2768,	5105,	6264
ClaI	1	6200			
DraIII	2	2713,	3006		
DrdI	4	1704,	2928,	3309,	4130
Eco52I	3	2635,	2800,	3370	
Eco57I	4	237,	1285,	5664,	6848
EcoNI	1	6449			
EcoO109I	4	3726,	3747,	6014,	7659
EcoRV	1	6172			
EheI	2	3953,	4868		
FspI	2	699,	2089		
HaeII	4	1568,	1930,	3953,	4868
HindIII	1	3965			
HpaI	3	4331,	4557,	7251	
KasI	2	3953,	4868		
MluI	1	2349			
NarI	2	3953,	4868		
NcoI	3	2782,	3754,	3840	
NdeI	1	2879			
PacI	1	6156			
PciI	1	1810			
PpuMI	2	3747,	6014		
PshAI	1	2453			
Psp1406I	2	321,	694		
PspOMI	1	3726			
PstI	3	2378,	2763,	3974	
PvuI	2	552,	2791		
RsrII	1	2837			
SacII	2	3207,	4766		
SanDI	1	3747			
SapI	2	1926,	5643		
ScaI	2	441,	3398		
SgfI	1	2790			
SgrAI	1	6263			

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SphI	1	5495			
SspI	3	117,	6966,	7119	
Tth111I	4	2487,	2931,	3743,	4078
Van91I	3	2076,	2125,	6688	
VspI	2	748,	7055		
XbaI	3	4776,	4883,	6536	
XcmI	2	3722,	5564		
XmnI	1	320			