

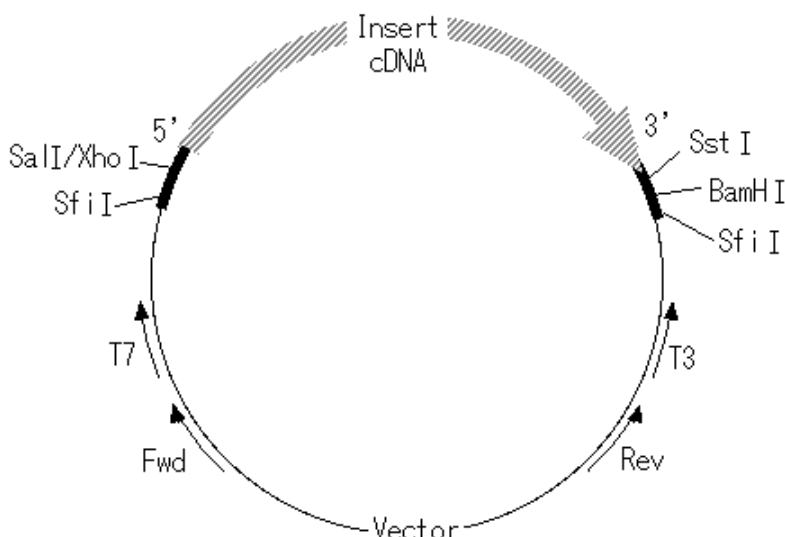
## RIKEN FANTOM™ CLONES

Distributed through K.K. DNAFORM

### Vector Map: PH Re-Array Set

Vector Name:	pFLCI
Original Vector:	pBluescript KS(+)
1st Primer for cDNA library construction:	1st-BS primer (1st-BG tag)
2nd Primer for cDNA library construction:	2nd-hairpin-linker (g-tail less)
Cloning Site (5'>3'):	SalI/XhoI, SstI, BamHI
Sequence Primer (Fwd, 5'):	M13-21
Sequence Primer (Rev, 3'):	1233
Selection marker:	100 µg/ml Ampicillin

FLCI After Excision (1st-BS, 2nd-hairpin-linker)



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TAACGCCAGGGTTTTCCAGTCACGACGTTGTAAAAACGACGGCCAGTGAATT
                                     Fwd Primer(M13-21)
GTAATACGACTCACTATAGGGCGAATTGGAGCTCCACCGGGTGGCGGCCGC
T7 Promotor
ATAACTTCGTATAGCATACATTATACGAAGTTATGGATCAGGCCAAATCGGC
                                     Sfi I
CGAGCTCGAATTCGTCGAGAC==cDNA==>AAAAAAAAAAAAAAAAAAGAGCTC
                                     Sal I /Xho I                                     Sst I
TTGGATCCGGCCATAAGGGCCTGATCCTTCGAGGGGGGGCCCGGTACCAGCT
BamHI Sfi I
TTTGTCCCTTTAGTGAGGGTTAATTTCGAGCTTGGCGTAATCATGGTCATA
T3 Promotor
GCTGTTCCCTGTGTGAAATTGTTATCCGCTCACAATTCCACACAACATACGA
Rev Primer(1233)
GCCGGAAG
    
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cDNA inserts can be release by digestion with SfiI. Note, the SalI and XhoI sites had been destroyed during cloning.

**Sequence:**

CACCTAAATTGTAAGCGTTAATATTTTGTAAAATTCGCGTTAAATTTTTGTTAAATCA  
GCTCATTTTTTAAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAGAATAG  
ACCGAGATAGGGTTGAGTGTGTTCCAGTTTGGAAACAAGAGTCCACTATTAAGAACGT  
GGACTCCAACGTCAAAGGGCGAAAAACCGTCTATCAGGGCGATGGCCACTACGTGAAC  
CATCACCTAATCAAGTTTTTTGGGGTCGAGGTGCCGTAAGCACTAAATCGGAACCCCT  
AAAGGGAGCCCCGATTTAGAGCTTGACGGGGAAAGCCGGCGAACGTGGCGAGAAAGGA  
AGGGAAGAAAGCGAAAGGAGCGGGCGCTAGGGCGCTGGCAAGTGTAGCGGTACGCTGC  
CGCTAACACCACACCCCGCGCTTAATGCGCCGCTACAGGGCGCGTCCCATTGCGCA  
TTCAGGCTGCGCAACTGTTGGGAAGGGCGATCGGTGCGGGCCTCTTCGCTATTACGCCA  
GCTGGCGAAAGGGGATGTGCTGCAAGGCGATTAAGTTGGGTAACGCCAGGGTTTTCCC  
AGTCACGACGTTGTAAAACGACGGCCAGTGAATTGTAATACGACTCACTATAGGGCGAA  
Fwd Primer T7 Promotor  
TTGGAGCTCCACCGCGGTGGCGGCCGCATAACTTCGTATAGCATAATTATAACGAAGTT  
ATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAC==cDNA==>AAAAAAAAA  
SfiI SalI/XhoI  
AAAAAAGAGCTCTTGGATCCGGCCATAAGGGCCTGATCCTTCGAGGGGGGGCCCGGTA  
SstI BamHI SfiI  
CCAGCTTTTGTTCCTTTAGTGAGGGTTAATTTCGAGCTTGGCGTAATCATGGTCATAG  
T3 Promoter  
CTGTTTTCCTGTGTGAAATTGTTATCCGCTCACAATTCACACAACATACGAGCCGGAAG  
Rev Primer  
CATAAAGTGTAAGCCTGGGGTGCCTAATGAGTGAGCTAACTCACATTAATTGCGTTGC  
GCTCACTGCCCGCTTCCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAATGAATCGGC  
CAACGCGCGGGGAGAGGGCGGTTTTCGTATTGGGCGCTCTTCCGCTTCCTCGCTCACTGA  
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CATCGTGGTGTACGCTCGTCGTTTGGTATGGCTTCATTTCAGCTCCGTTCCCAACGAT  
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CAACCAAGTCATTCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTTGCCCGGCGTCA  
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CCACTCGTGACCACTGATCTTCAGCATCTTTACTTTTACCAGCGTTTCTGGGTGA  
GCAAAAAAGGAAAGCAAAATGCCGCAAAAAAGGGAATAAGGGCGACACGGAAATGTTG  
AATACTCATACTTCTCTTTTCAATATTATTGAAGCATTATCAGGGTTATTGTCTCA  
TGAGCGGATACATATTTGAATGTATTTAGAAAAATAAACAAATAGGGGTTCCGCGCACA  
TTTCCCCGAAAAGTGC

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