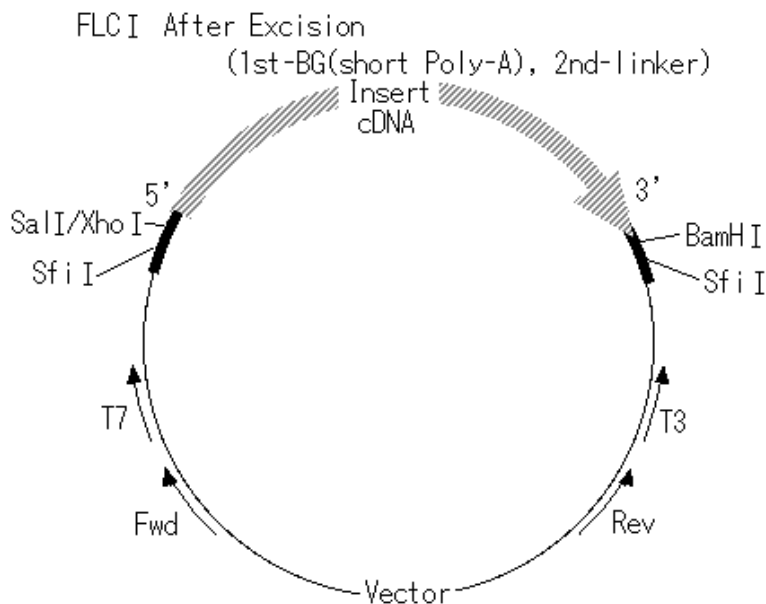


## RIKEN FANTOM™ CLONES

Distributed through K.K. DNAFORM

### Vector Map: PS/PM Re-Array Set

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



```

TAACGCCAGGGTTTTCCAGTCACGACGTGTGAAAACGACGGCCAGTGAATT
                                Fwd Primer(M13-21)
GTAATACGACTCACTATAGGGCGAATTGGAGCTCCACCGCGTGGCGGCCGC
T7 Promoter
ATAACTTCGTATAGCATACATTATACGAAGTTATGGATCAGGCCAAATCGGC
                                Sfi I
CGAGCTCGAATTCGTGAGCTCTATTTAGGTGACACTATAGAACCA==cDNA
                                Sal I /Xho I
=>AAAACAGTCCGGATCCGGCCATAAGGGCCTGATCCTTCGAGGGGGGGCCC
                                BamHI      Sfi I
GGTACCAGCTTTTGTTCCTTTAGTGAGGGTTAATTTCGAGCTTGGCGTAAT
                                T3 Promoter
CATGGTCATAGCTGTTTCCTGTGTGAAATTGTTATCCGCTCACAATTCCACA
                                Rev Primer(1233)
CAACATACGAGCCGGAAG
    
```

cDNA inserts can be release by digestion with SfiI. Note, the SalI and XhoI sites have been destroyed during cloning.

**Sequence:**

CACCTAAATTGTAAGCGTTAATATTTTGTAAAATTTCGCGTTAAATTTTTGTAAATCA  
GCTCATTTTTTAAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAGAATAG  
ACCGAGATAGGGTTGAGTGTGTTCCAGTTTGGAAACAAGAGTCCACTATTAAGAACGT  
GGACTCCAACGTCAAAGGGCGAAAAACCGTCTATCAGGGCGATGGCCCACTACGTGAAC  
CATCACCTAATCAAGTTTTTTGGGGTCGAGGTGCCGTAAGCACTAAATCGGAACCCT  
AAAGGGAGCCCCGATTTAGAGCTTGACGGGGAAAGCCGGCGAACGTGGCGAGAAAGGA  
AGGGAAGAAAGCGAAAGGAGCGGGCGCTAGGGCGCTGGCAAGTGTAGCGGTACGCTGC  
CGTAACCACCACACCCCGCGCTTAATGCGCCGCTACAGGGCGCGTCCCATTGCGCA  
TTCAGGCTGCGCAACTGTTGGGAAGGGCGATCGGTGCGGGCCTCTTCGCTATTACGCCA  
GCTGGCGAAAGGGGATGTGCTGCAAGGCGATTAAGTTGGGTAACGCCAGGGTTTTCCC  
AGTCACGACGTTGTA AACCGACGGCCAGTGAATTGTAATACGACTCACTATAGGGCGAA  
Fwd Primer T7 Promoter  
TTGGAGCTCCACCGCGGTGGCGGCCGCATAACTTCGTATAGCATAATTATAACGAAGTT  
ATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGCTCTATTTAGGTGACACTAT  
SfiI SalI/XhoI  
AGAACCA==cDNA==>AAAACAGTCCGGATCCGGCCATAAGGGCCTGATCCTTCGAGGG  
BamHI SfiI  
GGGGCCCGGTACCAGCTTTTGTTCCCCTTTAGTGAGGGTTAATTTCGAGCTTGCGTAAT  
T3 Promoter  
CATGGTCATAGCTGTTTCCTGTGTGAAATTGTTATCCGCTCACAATCCACACAACATA  
Rev Primer  
CGAGCCGGAAGCATAAAGTGTAAAGCCTGGGGTGCCTAATGAGTGAGCTAACTCACATT  
AATTGCGTTGCGCTCACTGCCCGCTTCCAGTCCGGAAACCTGTCTGCCAGCTGCATT  
AATGAATCGCCAACCGCGGGGAGAGGCGGTTTTCGTATTGGGCGCTCTTCCGCTTCC  
TCGCTCACTGACTCGCTGCGCTCGGTCTTTCGGCTGCGGCGAGCGGTATCAGCTCACTC  
AAAGGCGGTAATACGGTTATCCACAGAATCAGGGGATAACGCAGGAAAGAACATGTGAG  
CAAAGGCCAGCAAAGGCCAGGAACCGTAAAAAGGCCGCGTTGCTGGCGTTTTTCCAT  
AGGCTCCGCCCCCTGACGAGCATCACAAAAATCGACGCTCAAGTCAGAGGTGGCGAAA  
CCCGACAGGACTATAAAGATAACCAGGCGTTTCCCCCTGGAAGCTCCCTCGTGCGCTCTC  
CTGTTCCGACCTTCCGCTTACC GGATACTCTCCGCTTTCTCCCTTCGGGAAGCGTG  
CGCTTTCTCATAGCTCAGCTGTAGGTATCTCAGTTCGGTGTAGGTCTGTTCCGCTCCAA  
GCTGGGCTGTGTGCACGAACCCCCGTTAGCCCGACCGCTGCGCCTTATCCGGTAAC  
ATCGTCTTGAGTCCAACCCGGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGT  
AACAGGATTAGCAGAGCGAGGTATGTAGGCGGTGCTACAGAGTCTTGAAGTGGTGGCC  
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CCTTCGAAAAAGAGTTGGTAGCTCTTGATCCGGCAAACAAACCACCGCTGGTAGCGGT  
GGTTTTTTTTGTTTGAAGCAGCAGATTACGCGCAGAAAAAAGGATCTCAAGAAGATCC  
TTTGATCTTTTCTACGGGTCTGACGCTCAGTGGAACGAAAACCTCACGTTAAGGGATTT  
TGGTGATGAGATTATCAAAAAGGATCTTACCTAGATCCTTTTAAATTAATAATGAAGT  
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CAGTGAAGCACCTATCTCAGCGATCTGTCTATTTTCGTTTCATCCATAGTTGCCTGACTCC  
CCGTGTTGATAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCAGTGCTGCAATG  
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AAGGGCCGAGCGCAGAAGTGGTCTGCAACTTTATCCGCTCCATCCAGTCTATTAATT  
GTTGCCGGAAGCTAGAGTAAGTAGTTCGCCAGTTAATAGTTTTCGCAACGTTGTTGCC  
ATTGCTACAGGCATCGTGGTGTACGCTCGTCTGTTGGTATGGCTTCATTAGCTCCGG  
TTCCCAACGATCAAGGCGAGTTACATGATCCCCATGTTGTGCAAAAAGCGGTTAGCT  
CCTTCGGTCTCCGATCGTTGTGCAAGTAAGTTGGCCGAGTGTATCACTCATGGTT  
ATGGCAGCACTGCATAATTCTCTTACTGTCATGCCATCCGTAAGATGCTTTTCTGTGAC  
TGGTGAGTACTCAACCAAGTCATTCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTT  
GCCGGCGTCAATACGGGATAATACCGCGCCACATAGCAGAACTTTAAAAGTGCTCATC  
ATTGAAAAACGTTCTTCGGGGCGAAAACTCTCAAGGATCTTACCCTGTTGAGATCCAG  
TTTCATGTAACCACTCGTGCACCCAACTGATCTTCAGCATCTTTTACTTTTACCAGCG  
TTTCTGGGTGAGCAAAAACGAAAGGCAAAATGCCGCAAAAAGGGAATAAGGGCGACA  
CGAAATGTTGAATACTCATACTCTTCTTTTCAATATTATTGAAGCATTATCAGGG  
TTATTGTTCTCATGAGCGGATACATATTTGAATGTATTTAGAAAAATAAACAAATAGGGG  
TTCCGCGCACATTTCCCCGAAAAGTGC

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