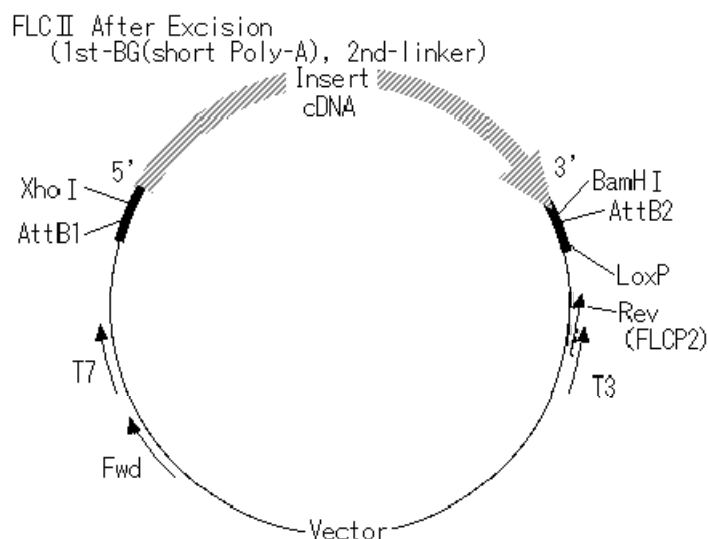


## RIKEN FANTOM™ CLONES

Distributed through K.K. DNAFORM

### Vector Map: FL Re-Array Set

Vector Name:	pFLCII
Original Vector:	pBluescript SK(+)
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'):	XhoI, BamHI
Sequence Primer (Fwd, 5'):	M13-21
Sequence Primer (Rev, 3'):	FLCP2
Selection marker:	100 µg/ml Ampicillin



```

GTAACGCCAGGGTTTTCCAGTCACGACGTGTGTAACACGACGGCCAGTGAG
                                Fwd Primer(M13-21)
CGCGCGTAATACGACTCACTATAGGGCGAATTGGGTACCGGGCCACAAGTT
                                T7 Promoter
TGTACAAAAAAGCAGGCTCTCGAGCTCTATTTAGGTGACACTATAGAACCA
                                AttB1      Xho I
==cDNA==>AAAACAGTCCGGATCCACCCAGCTTCTTGTACAAAGTGGTC
                                BamHI      AttB2
TAGACCTCTCTTGCCGCATAAAGCTTCGTATAGCATACATTATACGAAGTT
                                LoxP
ATGCGGGCCGCCACCGCGGTGGAGCTCCAGCTTTTGTCCCTTAGTGAGGG
                                Rev Primer(FLCP2)  T3 Promoter
TTAATTGCGCGCTTGGCGTAATCATGGTCATAGCTGTTTCTGTGTGAAAT
TGTATCCGCTCACAATTCCACACAACATACGAG
    
```

Vector contains AttB1 and AttB2 recombination sites for Invitrogen Gateway System. cDNA inserts can be release by digestion with XhoI and BamHI. Check cDNA sequence before digestion for XhoI and BamHI sites to avoid internal cleavage.

**Sequence:**

CTAAATTGTAAGCGTTAATATTTTTGTTAAAATTTCGCGTTAAATTTTTGTTAAATCAGCTC  
ATTTTTTAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAGAATAGACCGA  
GATAGGGTTGAGTGTGTTCCAGTTTTGGAACAAGAGTCCACTATTAAGAACGTGGACTC  
CAACGTCAAAGGGCGAAAAACCGTCTATCAGGGCGATGGCCACTACGTGAACCATCACC  
CTAATCAAGTTTTTTTTGGGGTCGAGGTGCCGTAAAGCACTAAATCGGAACCCTAAAGGGAG  
CCCCGATTTAGAGCTTGACGGGGAAAGCCGGCGAACGTGGCGAGAAAGGAAGGAAGAA  
AGCGAAAGGAGCGGGCGCTAGGGCGCTGGCAAGTGTAGCGGTACGCTGCGCGTAACCAC  
CACACCCGCGCTTAATGCGCCGCTACAGGGCGCGTCCCATTGCGCCATTGAGCTGCG  
CAACTGTTGGGAAGGGCGATCGGTGCGGGCCTCTTCGCTATTACGCCAGCTGGCGAAAGG  
GGGATGTGCTGCAAGGCGATTAAGTTGGGTAACGCCAGGGTTTTCCAGTCACGACGTTG  
TAAAACGACGGCCAGTGAGCGCGCGTAATACGACTCACTATAGGGCGAATTGGGTACCGG  
Fwd Primer T7 Promoter  
GCCACAAGTTTGTACAAAAAGCAGGCTCTCGAGCTCTATTTAGGTGACACTATAGAACC  
AttB1 XhoI  
A==cDNA==>AAAACAGTCCGGATCCACCCAGCTTTCTTGTACAAAAGTGGTCTAGACCTC  
BamHI AttB2  
TCTTGGCCGCATAACTTCGTATAGCATAACATTATACGAAGTTATGCGGCCGCCACCGCGG  
LoxP  
TGGAGCTCCAGCTTTTGTTCCTTTAGTGAGGGTTAATTGCGCGCTTGGCGTAATCATG  
Rev Primer T3 Promoter  
GTCATAGCTGTTTCCTGTGTGAAATTGTTATCCGCTCACAATTCCACACAACATACGAGC  
CGGAAGCATAAAGTGTAAAGCCTGGGGTGCCTAATGAGTGAGCTAACTCACATTAATTGC  
GTTGCGCTCACTGCCCGCTTTCCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAATGAAT  
CGGCCAACGCGCGGGGAGAGGCGGTTTGCCTATTGGGCGCTCTTCCGCTTCCTCGCTCAC  
TGACTCGCTGCGCTCGGTCTGTTCCGGCTGCGGCGAGCGGTATCAGCTCACTCAAAGGCGGT  
AATACGGTTATCCACAGAATCAGGGGATAACGCAGGAAAGAACATGTGAGCAAAAAGGCCA  
GCAAAAGGCCAGGAACCGTAAAAAGGCCGCGTTGCTGGCGTTTTTCCATAGGCTCCGCC  
CCCTGACGAGCATCAAAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGGACT  
ATAAAGATAACAGGCGTTTCCCCCTGGAAGCTCCCTCGTGCGCTCTCCTGTTCCGACCCT  
GCCGCTTACCGGATACTGTCCGCTTTCTCCCTTCCGTTCCGGAAGCGTGCGCTTTCTCATAG  
CTCACGCTTAGGTATCTCAGTTCGGTTCGGTTCAGTTCGTTCCGCTCCAAGCTGGGCTGTGTGCA  
CGAACCCCCCGTTTCAGCCCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGAGTCCAA  
CCCGGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAAACAGGATTAGCAGAGC  
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TAGCTCTTGATCCGGCAAACAACACCGCTGGTAGCGGTGGTTTTTTTTGTTTGCAAGCA  
GCAGATTACGCGCAGAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTTCTACGGGGTC  
TGACGCTCAGTGGAACGAAAACCTCACGTTAAGGGATTTTGGTCATGAGATTATCAAAAAG  
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TGAGTAAACTTGGTCTGACAGTTACCAATGCTTAATCAGTGAGGCACCTATCTCAGCGAT  
CTGTCTATTTGTTTCATCCATAGTTGCTGACTCCCCGTCGTGTAGATAACTACGATACG  
GGAGGCTTACCATCTGGCCCCAGTGCATGCAATGATACCGCGAGACCCACGCTCACGGC  
TCCAGATTTATCAGCAATAAACAGCCAGCCGGAAGGGCCGAGCGCAGAAGTGTTCTGCTGC  
AACTTTATCCGCTCCATCCAGTCTATTAATTGTTGCGGGAAGCTAGAGTAAGTAGTTC  
GCCAGTTAATAGTTTTGCGCAACGTTGTTGCCATTGCTACAGGCATCGTGGTGTACGCTC  
GTCGTTTTGGTATGGCTTCATTAGCTCCGTTCCCAACGATCAAGGCGAGTTACATGATC  
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GTTGGCCGAGTGTATCACTCATGGTTATGGCAGCACTGCATAATCTCTTACTGTTCAT  
GCCATCCGTAAGATGCTTTTCTGTGACTGGTGTAGTACTCAACCAAGTCATTCTGAGAATA  
GTGTATGCGGCGACCGAGTTGCTCTTGCCCGGCGTCAATACGGGATAATACCGCGCCACA  
TAGCAGAACTTTAAAAGTGCTCATCATTTGAAAACGTTCTTCGGGGCGAAAACCTCTCAAG  
GATCTTACCGCTGTTGAGATCCAGTTCGATGTAACCCACTCGTGCACCCAACTGATCTTC  
AGCATCTTTTACTTTACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGGCAAAATGCCGC  
AAAAAAGGAATAAGGGCGACCGGAAATGTTGAATACTCATACTTCTCCTTTTCAATA  
TTATTGAAGCATTTATCAGGTTATTGTTCTCATGAGCGGATACATATTTGAATGTATTTA  
GAAAAATAAACAAATAGGGGTTCCGCGCACATTTCCCGAAAAGTGCCAC

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