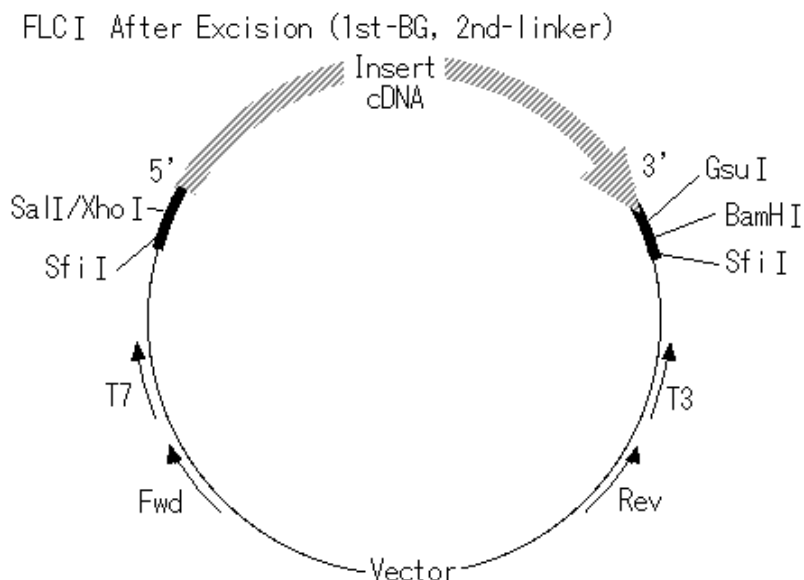


RIKEN FANTOM™ CLONES

Distributed through K.K. DNAFORM

Vector Map: PR/PN Re-Array Sets

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



```

TAACGCCAGGGTTTTCCAGTCACGACGTTGTAAAACGACGGCCAGTGAAATT
                                     Fwd Primer(M13-21)
GTAATACGACTCACTATAGGGCGAATTGGAGCTCCACCGCGTGGCGGCCGC
      T7 Promoter
ATAACTTCGTATAGCATACATTATACGAAGTTATGGATCAGGCCAAATCGGC
                                     Sfi I
CGAGCTCGAATTCGTCGAGCTCTATTTAGGTGACACTATAGAACCA==cDNA
      Sal I /Xho I
==>AAAAAAAAAAAAAAAAAACTCTCCAGAAGGATCCGGCCATAAGGGCGCTGAT
      Gsu I BamHI Sfi I
CCTTCGAGGGGGGGCCCGGTACCAGCTTTTGTCCCTTTAGTGAGGGTTAAT
      T3 Promoter
ITCGAGCTTGGCGTAATCATGGTCATAGCTGTTTCCTGTGTGAAATTGTTAT
                                     Rev Primer(1233)
CCGCTCACAATTCCACACAACATACGAGCCGGAAG
    
```

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

Sequence:

CACCTAAATTGTAAGCGTTAATATTTTGTAAAATTCGCGTTAAATTTTTGTAAATCA
GCTCATTTTTTAAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAGAATAG
ACCGAGATAGGGTTGAGTGTGTTCCAGTTTGGAAACAAGAGTCCACTATTAAGAACGT
GGACTCCAACGTCAAAGGGCGAAAAACCGTCTATCAGGGCGATGGCCACTACGTGAAC
CATCACCTAATCAAGTTTTTTGGGGTCGAGGTGCCGTAAGCACTAAATCGGAACCT
AAAGGGAGCCCCGATTTAGAGCTTGACGGGGAAAGCCGGCGAACGTGGCGAGAAAGGA
AGGGAAGAAAGCGAAAGGAGCGGGCGCTAGGGCGCTGGCAAGTGTAGCGGTACGCTGC
CGGTAACCACCACACCCGCCGCTTAATGCGCCGCTACAGGGCGCGTCCCATTCCGCA
TTCAGGCTGCGCAACTGTTGGGAAGGGCGATCGGTGCGGGCCTCTTCGCTATTACGCCA
GCTGGCGAAAGGGGATGTGCTGCAAGGCGATTAAGTTGGGTAACGCCAGGGTTTTCCC
AGTCACGACGTTGTA AACCGACGGCCAGTGAATTGTAATACGACTCACTATAGGGCGAA
Fwd Primer T7 Promoter
TTGGAGCTCCACC GCGGTGGCGGCCGATAACTTCGTATAGCATA CATTATA CGAAGTT
ATGGATCAAGCCAAATCGGCCGAGCTCGAATTCGTCGAGCTCTATTTAGGTGACACTAT
SfiI SalI/XhoI
AGAACCA==cDNA=>AAAAAAAAAAAAAAAAAACTCTCCAGAAAGGATCCGGCCATAAGGGC
GsuI BamHI SfiI
CTGATCCTTCGAGGGGGGGCCCCGTACCAGCTTTTGTTCCTTTAGTGAGGGTTAATTT
T3 Promoter
CGAGCTTGGCGTAATCATGGTCATAGCTGTTTCCTGTGTGAAATTGTTATCCGCTCACA
Rev Primer
ATTCCACACAACATACGAGCCGGAAGCATAAAGTGTAAAGCCTGGGGTGCCTAATGAGT
GAGCTAACTCACATTAATTGCGTTGCGCTCACTGCCGCTTTCCAGTCGGGAAACCTGT
CGTGCCAGCTGCATTAATGAATCGGCCAACGCGCGGGGAGAGGCGGTTTTCGTATTGGG
CGCTCTTCGCTTCCCTCGCTCACTGACTCGCTGCGCTCGGTGTTTCGGCTGCGGCGAGC
GGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCACAGAATCAGGGGATAACGCAG
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TCAGAGGTGGCGAAACCCGACAGGACTATAAAGATAACCAGGCGTTTCCCCCTGGAAGCT
CCCTCGTGCCTCTCCTGTTCCGACCTTCCGCTTACC GGATACTGTCCGCTTTCTC
CCTTCGGGAAGCGTGGCGTTTTCTCATAGCTCACGCTGTAGGTATCTCAGTTCGTTGTA
GGTTCGTTTCGCTCCAAGCTGGGCTGTGTGCACGAACCCCGTTTCAGCCCGACCGCTGCG
CCTTATCCGGTAACTATCGTCTTGAGTCCAACCCGGTAAGACACGACTTATCGCCACTG
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ACCGCTGGTAGCGGTGGTTTTTTTTGTTTGCAAGCAGCAGATTACGCGCAGAAAAAAGG
ATCTCAAGAAGATCCTTTGATCTTTTCTACGGGGTCTGACGCTCAGTGAACGAAAACCT
CACGTTAAGGGATTTTGGTTCATGAGATTATCAAAAAGGATCTTACCTAGATCCTTTTA
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TTCATT CAGCTCCGGTTCCCAACGATCAAGGCGAGTTACATGATCCCCATGTTGTGCA
AAAAAGCGTTAGCTCCTTCGGTCTCCGATCGTTGTGCAAGTAAGTTGGCCGCGAGTG
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ATGCTTTTCTGTGACTGGT GAGTACTCAACCAAGTCATTCTGAGAA TAGTGTATGCGGC
GACCGAGTTGCTCTTGCCCGGCGTCAATACGGGATAATACCGCGCCACATAGCAGAACT
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GCTGTTGAGATCCAGTTTCGATGTAAACCACTCGTGCACCCAACCTGATCTTCAGCATCTT
TTACTTTACACGCTTTCTGGGTGAGCAAAAAACGGAAGGC AAAATGCCGCAAAAAAG
GGAATAAGGGCGCAGCAAATGTTGAATACTCATACTCTTCTTTTCAATATTATTG
AAGCATTATCAGGGTTATTGTCTCATGAGCGGATACATATTTGAATGTATTTAGAAAA
ATAAACAAATAGGGGTTCCGCGCACATTTCCCCGAAAAGTGC

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