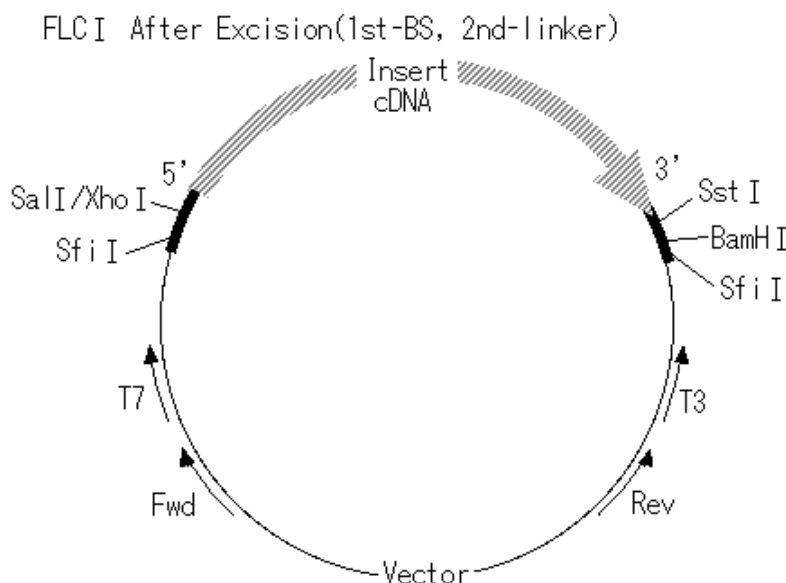


RIKEN FANTOM™ CLONES

Distributed through K.K. DNAFORM

Vector Map: PK/PT/PI/PL Re-Array Sets

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-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



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TAACGCCAGGGTTTTCCAGTCACGACGTTGTAAAACGACGGCCAGTGAATT
                                     Fwd Primer(M13-21)
GTAATACGACTCACTATAGGGCGAATTGGAGCTCCACCGGGTGGCGGCCGC
    T7 Promoter
ATAACTTCGTATAGCATACATTATACGAAGTTATGGATCAGGCCAAATCGGC
                                     Sfi I
CGAGCTCGAATTCGTCGAGCTCTATTTAGGTGACACTATAGAACCA=cDNA=
    Sal I /Xho I
=>AAAAAAAAAAAAAAAAAAGAGCTCTTGGATCCGGCCATAAGGGCCTGATCCT
    Sst I BamHI Sfi I
TCGAGGGGGGGCCCGGTACCAGCTTTTGTTCCTTTAGTGAGGGTTAATTTC
    T3 Promoter
GAGCTTGGCGTAATCATGGTCATAGCTGTTTCCTGTGTGAAATTGTTATCCG
                                     Rev Primer(1233)
CTCACAATTCCACACAACATACGAGCCGGAAG
    
```

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

Sequence:

CACCTAAATTGTAAGCGTTAATATTTTGTAAATTCGCGTTAAATTTTTGTAAATCA
GCTCATTTTTTAAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAGAATAG
ACCGAGATAGGGTTGAGTGTGTTCCAGTTTGGAAACAAGAGTCCACTATTAAAGAACGT
GGACTCCAACGTCAAAGGGCGAAAAACCGTCTATCAGGGCGATGGCCCACTACGTGAAC
CATCACCTAATCAAGTTTTTTGGGGTCGAGGTGCCGTAAGCACTAAATCGGAACCCCT
AAAGGGAGCCCCGATTTAGAGCTTGACGGGGAAAGCCGGCGAACGTGGCGAGAAAGGA
AGGGAAGAAAGCGAAAGGAGCGGGCGCTAGGGCGCTGGCAAGTGTAGCGGTACGCTGC
CGGTAACCACACACCCCGCGCTTAATGCGCCGCTACAGGGCGCGTCCCATTGCGCA
TTCAGGCTGCGCAACTGTTGGGAAGGGCGATCGGTGCGGGCCTCTTCGCTATTACGCCA
GCTGGCGAAAGGGGATGTGCTGCAAGGCGATTAAGTTGGGTAACGCCAGGGTTTTCCC
AGTCACGACGTTGTA AACCGACGGCCAGTGAATTGTAATACGACTCACTATAGGGCGAA
Fwd Primer T7 Promoter
TTGGAGCTCCACCGCGGTGGCGGCCGCATAACTTCGTATAGCATAATTATAACGAAGTT
ATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGCTCTATTTAGGTGACACTAT
SfiI SalI/XhoI
AGAACCA==cDNA==>AAAAAAAAAAAAAAAAAGAGCTCTTGGATCCGGCCATAAGGGCC
SstI BamHI SfiI
TGATCCTTCGAGGGGGGGCCCGGTACCAGCTTTTGTTCCCCTTAGTGAGGGTTAATTC
T3 Promoter
GAGCTTGGCGTAATCATGGTCATAGCTGTTTCCTGTGTGAAATTGTTATCCGCTCACAA
Rev Primer
TTCCACACAACATACGAGCCGGAAGCATAAAGTGTAAAGCCTGGGGTGCCTAATGAGTG
AGCTAACTCACATTAATTGCGTTGCGCTCACTGCCGCTTTCAGTCGGGAAACCTGTC
GTGCCAGCTGCATTAATGAATCGGCCAACGCGCGGGGAGAGGCGGTTTGCCTATTGGGC
GCTCTTCCGCTTCCCTCGCTCACTGACTCGCTGCGCTCGGTCGTTGCGCTGCGGCGAGCG
GTATCAGCTCACTCAAAGCGGTAATACGTTATCCACAGAATCAGGGGATAACGCAGG
AAAGAACATGTGAGCAAAAAGGCCAGCAAAAAGGCCAGGAACCGTAAAAAGGCCGCTTGC
TGGCGTTTTTCCATAGGCTCCGCCCCCTGACGAGCATCACAAAAATCGACGCTCAAGT
CAGAGGTGGCGAAACCCGACAGGACTATAAAGATAACCAGGCGTTTCCCCCTGGAAGCTC
CCTCGTGCGCTCTCCTGTCCGACCCCTGACGCTTACCAGGATACTGTCCGCTTCTCC
CTTCGGGAAGCGTGGCGCTTCTCATAGCTCAGCTGTCAGGTTAGGTTAGTTCAGTTTCGGTGTAG
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CTTATCCGGTAACCTATCGTCTTGAGTCCAACCCGGTAAGACACGACTTATCGCCACTGG
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GCTGAAGCCAGTTACCTTCGAAAAAGAGTTGGTAGCTCTTGATCCGGCAAACAAACCA
CCGCTGGTAGCGGTGGTTTTTTTTGTTTGAAGCAGCAGATTACGCGCAGAAAAAAGGA
TCTCAAGAAGATCCTTTGATCTTTTCTACGGGTCTGACGCTCAGTGGAACGAAAACTC
ACGTTAAGGGATTTTGGTCATGAGATTATCAAAAAGGATCTTCACCTAGATCCTTTTAA
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CCAGTCTATTAATTGTTGCCGGGAAGCTAGAGTAAGTAGTTTCGCCAGTTAATAGTTTGC
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TCATTACGCTCCGGTTCCCAACGATCAAGGCGAGTTACATGATCCCCATGTTGTGCAA
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TGTTTTCTGTGACTGGTGAGTACTCAACCAAGTCATTCGAGAAATAGTGTATGCGGCG
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CTGTTGAGATCCAGTTTCGATGTAACCCACTCGTGCACCCAACTGATCTTCAGCATCTTT
TACTTTCACCGGTTTTCTGGGTGAGCAAAAACAGGAAGGCAAAAATGCCGCAAAAAGG
GAATAAGGGCGACACGGAAATGTTGAATACTCATACTCTTCCTTTTTCAATATTATTGA
AGCATTATCAGGGTTATTGTCTCATGAGCGGATACATAATTTGAATGTATTTAGAAAA
TAAACAAATAGGGGTTCCGCGCACATTTCCCCGAAAAGTGC

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