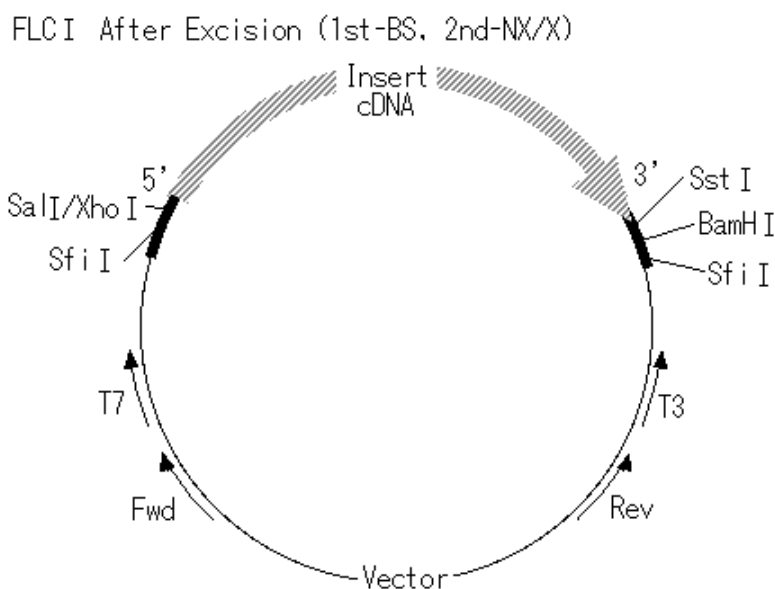


RIKEN FANTOM™ CLONES

Distributed through K.K. DNAFORM

Vector Map: PX/PY/PZ Re-Array Sets

Vector Name:	pFLCI
Original Vector:	pBluescript KS(+)
1st Primer for cDNA library construction:	1st-BS primer
2nd Primer for cDNA library construction:	2nd-NX/X primer
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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TAACGCCAGGGTTTTCCAGTCACGACGTTGTAAAACGACGGCCAGTGAAAT
                                     Fwd Primer
GTAATACGACTCACTATAGGGCGAATTGGAGCTCCACCGCGGTGGCGGCCGC
T7 Promoter
ATAAATTCGTATAGCATACATTATACGAAGTTATGGATCAGGCCAAATCGGC
Sfi I
CGAGCTCGAATTCGTCGAGTTAATTAATTAATCCCCCCCCCCCC==cDNA
Sal I /Xho I
=>AAAAAAAAAAAAAAAAAAGAGCTCTTGGATCCGGCCATAAGGGCCTGATCCT
Sst I BamHI Sfi I
TCGAGGGGGGGCCCGGTACCAGCTTTTGTTCCTTTAGTGAGGGTTAATTC
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:

CACCTAAATTGTAAGCGTTAATATTTTGTAAAATTTCGCGTTAAATTTTTGTAAATCA
GCTCATTTTTTAAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAGAATAG
ACCGAGATAGGGTTGAGTGTGTTCCAGTTTGGAAACAAGAGTCCACTATTAAGAACGT
GGACTCCAACGTCAAAGGGCGAAAAACCGTCTATCAGGGCGATGGCCCACTACGTGAAC
CATCACCTAATCAAGTTTTTTGGGGTCGAGGTGCCGTAAGCACTAAATCGGAACCCCT
AAAGGGAGCCCCGATTTAGAGCTTGACGGGGAAAGCCGGCGAACGTGGCGAGAAAGGA
AGGGAAGAAAGCGAAAGGAGCGGGCGCTAGGGCGCTGGCAAGTGTAGCGGTACGCTGC
CGGTAACCACACACCCCGCGCTTAATGCGCCGCTACAGGGCGCGTCCCATTGCGCA
TTCAGGCTGCGCAACTGTTGGGAAGGGCGATCGGTGCGGGCCTCTTCGCTATTACGCCA
GCTGGCGAAAGGGGATGTGCTGCAAGGCGATTAAGTTGGGTAACGCCAGGGTTTTCCC
AGTCACGACGTTGTA AACCGACGGCCAGTGAATTGTAATACGACTCACTATAGGGCGAA
Fwd Primer T7 Promotor
TTGGAGCTCCACCGCGGTGGCGGCCGCATAACTTCGTATAGCATAATTATAACGAAGTT
ATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGTTAATTAATTAATCCCCC
SfiI SalI/XhoI
CCCCCC==cDNA==>AAAAAAAAAAAAAAAAGAGCTCTTGGATCCGGCCATAAGGGCC
SstI BamHI SfiI
TGATCCTTCGAGGGGGGGCCCGGTACCAGCTTTTGTTCCCCTTTAGTGAGGGTTAATTC
T3 Promotor
GAGCTTGGCGTAATCATGGTCATAGCTGTTTCCTGTGTGAAATTGTTATCCGCTCACAA
Rev Primer
TTCCACACAACATACGAGCCGGAAGCATAAAGTGTAAAGCCTGGGGTGCCTAATGAGTG
AGCTAACTCACATTAATTGCGTTGCGCTCACTGCCGCTTTCCAGTCGGGAAACCTGTC
GTGCCAGCTGCATTAATGAATCGGCCAACGCGCGGGGAGAGGCGGTTTGCCTATTGGGC
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CAGAGGTGGCGAAACCCGACAGGACTATAAAGATAACCAGGCGTTTCCCCCTGGAAGCTC
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CTTCGGGAAGCGTGGCGCTTTCTCATAGCTCACGCTGTAGGTATCTCAGTTCCGGTGTAG
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TACTTTCACCGGTTTTCTGGGTGAGCAAAAAACAGGAAGGCAAAATGCCGCAAAAAAGG
GAATAAGGGCGACACGGAAATGTTGAATACTCATACTCTTCCTTTTTCAATATTATTGA
AGCATTTATCAGGGTTATTGTCTCATGAGCGGATACATATTTGAATGTATTTAGAAAA
TAAACAAATAGGGGTTCCGCGCACATTTCCCCGAAAAGTGC

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