

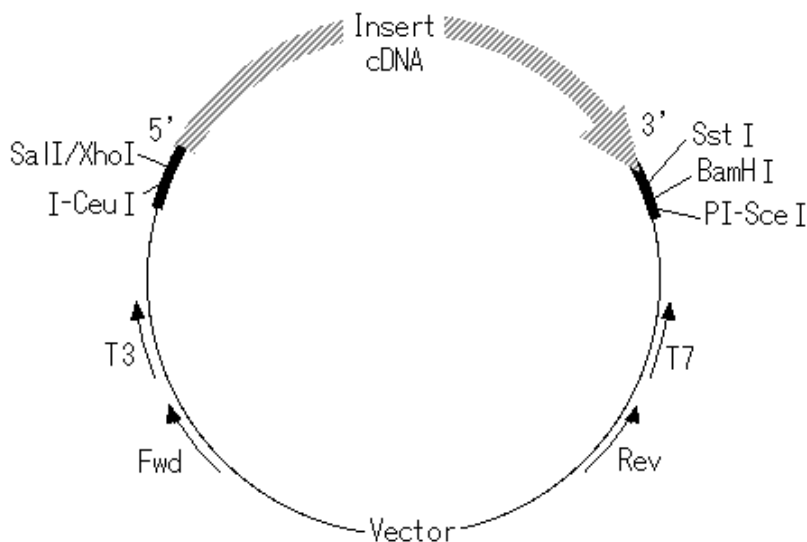
## RIKEN FANTOM™ CLONES

Distributed through K.K. DNAFORM

### Vector Map: FS Re-Array Sets

Vector Name:	pFLCIII
Original Vector:	pBluescript SK(+)
1st Primer for cDNA library construction:	1st-BS primer (1st-BG tag)
2nd Primer for cDNA library construction:	2nd-linker 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

FLCIII After Excision (1st-BS, 2nd-linker)



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CGACGTTGTAAAACGACGCGCAGTGAATTGCGCGCAATTAACCGTCACTAA
          Fwd Primer (M13-21)                T3 Promotor
AGGGAACAAAGATGTGTAACTATAACGGTCCTAAGGTAGCGAGTCGAGCTC
                               I-CeuI      SalI/XhoI
TATTTAGGTGACACTATAGAACCA===cDNA===>AAAAAAAAAAAAAAAAAAAA
GAGCTCTTGGATCCTGCCATTTTATTACCTCTTTCTCCGCACCCGACATAG
  SstI   BamHI                                PI-SceI
ATGCATCGCCCTATAGTGAGTCGTATTACATAGCTGTTTCCTGTGTGAAA
          T7 Promotor                          Rev Primer
TTGTTATCCGCTATCCGCTCACAATTCACACAACATACGA
  
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cDNA inserts can be released by digestion with I-CeuI and PI-SceI. These are Homing Endonucleases that commonly do not cut within cDNA inserts. Note, the SalI and XhoI sites had been destroyed during cloning.

**Sequence:**

CACCTAAATTGTAAGCGTTAATATTTTGTAAAATTCGCGTTAAATTTTTGTAAATCA  
GCTCATTTTTTAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAGAATAG  
ACCGAGATAGGGTTGAGTGTGTTCCAGTTTGGAAACAAGAGTCCACTATTAAGAACGT  
GGACTCCAACGTCAAAGGGCGAAAAACCGTCTATCAGGGCGATGGCCCACTACGTGAAC  
CATCACCTAATCAAGTTTTTTGGGGTCGAGGTGCCGTAAAGCACTAAATCGGAACCCT  
AAAGGGAGCCCCGATTTAGAGCTTGACGGGGAAAGCCGGCGAACGTGGCGAGAAAGGA  
AGGGAAGAAAGCGAAAGGAGCGGGCGCTAGGGCGCTGGCAAGTGTAGCGGTACAGCTGC  
GCGTAACCACCACACCCCGCGCGCTTAATGCGCCGCTACAGGGCGCGTCCCATTGCGCA  
TTCAGGCTGCGCAACTGTTGGGAAGGGCGATCGGTGCGGGCCTCTTCGCTATTACGCCA  
GCTGGCGAAAGGGGATGTGCTGCAAGCGGATTAAGTTGGGTAACGCCAGGGTTTTCCC  
AGTCACGACGTTGTA AACGACGGCCAGTGAATTGCGCGCAATTAACCCTCACTAAAGG  
Fwd Primer T3 Promotor  
GAACAAAGATGTGTA AACTATAACGGTCCTAAGGTAGCGAGTCGAGCTCTATTTAGGTGA  
I-CeuI SalI/XhoI  
CACTATAGAACCA===cDNA===>AAAAAAAAAAAAAAAAAAGAGCTCTTGGATCCTGCCA  
SstI BamHI  
TTTCATTACCTCTTTCTCCGCACCCGACATAGATGCATCGCCCCTATAGTGAGTCGTAT  
PI-SceI T7 Promotor  
TACATAGCTGTTTCCTGTGTGAAATTGTTATCCGCTATCCGCTCACAAATCCACACAACATA  
Rev Primer  
CGAGCCGGAAGCATAAAGTGTAAAGCCTGGGGTGCCTAATGAGTGAGCTAACTCACATT  
AATTGCGTTGCGCTCACTGCCCGCTTTCCAGTCGGGAAACCTGTCTGTGCCAGCTGCATT  
AATGAATCGGCCAACCGCGGGGAGAGGCGGTTTTCGCTATTGGGCGCTCTTCCGCTTCC  
TCGCTCACTGACTCGCTGCGCTCGGTGCTTCCGCTGCGGCGAGCGGTATCAGCTCACTC  
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CAAAGGCCAGCAAAGGCCAGGAACCGTAAAAGGCCGCGTTGCTGGCGTTTTTCCAT  
AGGCTCCGCCCCCTGACGAGCATCACAAAATCGACGCTCAAGTCAGAGGTGGCGAAA  
CCCGACAGGACTATAAAGATAACCAGGCGTTTTCCCCCTGGAAGCTCCCTCGTGCGCTCTC  
CTGTTCCGACCCCTGCCGCTTACCGGATACCTGTCCGCTTTCTCCCTTCGGGAAGCGTG  
GCGCTTTCTCATAGCTCACGCTGTAGGTATCTCAGTTCGGTGTAGGTCGTTTCGCTCCAA  
GCTGGGCTGTGTGCACGAACCCCCGTTACGCCGACCGCTGCGCTTATCCGGTAACT  
ATCGTCTTGAGTCCAACCCGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGT  
AACAGGATTAGCAGAGCGAGGTATGTAGGCGGTGCTACAGAGTTCTTGAAGTGGTGGCC  
TAACTACGGCTACACTAGAAGGACAGTATTTGGTATCTGCGCTCTGCTGAAGCCAGTTA  
CCTTCGAAAAAGAGTTGGTAGCTCTTGATCCGGCAAACAAACCACCGCTGGTAGCGGT  
GGTTTTTTTTGTTTGAAGCAGCAGATTACGCGCAGAAAAAAGGATCTCAAGAAGATCC  
TTTGATCTTTTCTACGGGTCTGACGCTCAGTGGAACGAAAACCTCACGTTAAGGGATTT  
TGGTGATGAGATTATCAAAAAGGATCTTACCTAGATCCTTTTAAATTA AAAATGAAGT  
TTTAAATCAATCTAAAGTATATATGAGTAAACTTGGTCTGACAGTTACCAATGCTTAAT  
CAGTGAGGCACCTATCTCAGCGATCTGTCTATTTTCGTTTCATCCATAGTTGCCTGACTCC  
CCGTCGTGTAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCAGTGCTGCAATG  
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AAGGGCCGAGCGCAGAAGTGGTCTGCAACTTATCCGCCTCCATCCAGTCTATTAATT  
GTTGCCGGGAAGCTAGAGTAAGTAGTTCGCCAGTTAATAGTTTTCGCAACGTTGTTGCC  
ATTGCTACAGGCATCGTGGTGTACGCTCGTTCGTTGGTATGGCTTCATTACAGCTCCGG  
TTCCCAACGATCAAGGCGAGTTACATGATCCCCATGTTGTGCAAAAAAGCGGTTAGCT  
CCTTCGGTCTCCGATCGTTGTGCAAGTAAGTTGGCCGCGAGTGTATCACTCATGGTT  
ATGGCAGCACTGCATAATTCTCTTACTGTCATGCCATCCGTAAGATGCTTTTCTGTGAC  
TGGTGAGTACTCAACCAAGTCATTCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTT  
GCCCGGCGTCAATACGGGATAATACCCGCGCCACATAGCAGAACTTTAAAAGTGCTCATC  
ATTGAAAAACGTTCTTCGGGGCGAAAACTCTCAAGGATCTTACCGCTGTTGAGATCCAG  
TTCGATGTAACCCACTCGTGCACCCAACTGATCTTCAGCATCTTTTACTTTTACCAGCG  
TTTCTGGGTGAGCAAAAACAGGAAGGCAAAATGCCGCAAAAAGGGAATAAGGGCGACA  
CGGAAATGTTGAATACTCATACTCTTCTTTTTTCAATATTATTGAAGCATTATCAGGG  
TTATTGTCTCATGAGCGGATACATATTTGAATGTATTTAGAAAAATAAACAATAGGGG  
TTCCGCGCACATTTCCCCGAAAAGTGC

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